



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# RFMD SIGNAL SOURCE SELECTOR GUIDE

2013-2014

## Voltage-Controlled Oscillators

RFMD offers one of the industry's largest selections of discrete Voltage-Controlled Oscillator (VCO) modules. RFMD has a broad selection of oscillator topologies, resonator technologies, supply voltages, and substrate materials available, allowing us to provide customers with a VCO that meets specific cost, performance, and size requirements for their application. All RFMD® VCO modules are 100% RF-tested and RoHS-compliant. The following tables offer a sampling of component designs RFMD provides.

In addition to our vast library of existing VCO products, RFMD also provides custom developed modules. If you would like RFMD to consider designing a custom module, please fill out and submit the Custom VCO Request Form ([www.rfmd.com/products/vco/customvcorequest.aspx](http://www.rfmd.com/products/vco/customvcorequest.aspx)) or contact us at 1.480.756.6070.



### VCOs for IF Conversion (UMJ and RFVC66xx Series)

Page 5-6

- Ultra-low phase noise/low current
- Frequency: 10MHz to 400MHz
- Resonator: Aircoil
- PCB: Rogers
- Package size: 12.75 x 12.75mm

#### Applications

- IF conversion applications
- Low phase noise agile clock applications
- Low phase noise applications

### Octave Band VCOs (UMS and RFVC64xx Series)

Page 6

- Octave band tuning
- Frequency: 25MHz to 3500MHz
- Resonator: Microstrip
- PCB: Rogers
- Package size: 12.75 x 12.75mm

#### Applications

- Wide bandwidth applications
- Built-in test applications
- First LO applications
- Frequency synthesizers

### 3V & 5V Narrowband VCOs (VCO 190, VCO 191, and RFVC7xxx Series)

Page 6-9

- Linear tuning/low phase noise
- Multiple supply voltage and package options available
- Low cost/high-volume series
- Frequency: 40MHz to 4000MHz
- Resonator: Aircoil or microstrip
- PCB: FR-4 and S1170
- Package size: 12.75 x 12.75mm

#### Applications

- Wireless infrastructure
- RFID
- General wireless

### 5V & 12V Wideband VCOs (VCO 790, VCO 793, and RFVC7xxx Series)

Page 6-9

### Microstrip VCOs (UMZ and RFVC2xxx Series)

Page 10-21

- Ultra-linear tuning/low phase noise
- Frequency: 100MHz to 6000MHz
- Resonator: Microstrip
- PCB: Rogers
- Package size: 12.75 x 12.75mm

#### Applications

- Frequency synthesizers
- Upconverters and Downconverters
- Instrumentation
- Wideband frequency applications

## Ultra-Low Noise CROs (UMX and RFVC4xxx Series)

Page 22-40

- Ultra-linear tuning/ultra-low phase noise
- Frequency: 500MHz to 5000MHz
- Resonator: Ceramic
- PCB: Rogers
- Package size: 12.75 x 12.75mm

### Applications

- Point-to-Point radio
- DRO/YIG multiplied replacements
- Low phase noise applications
- SAW VCO replacement

## VCOs with Internal Doubler (UMZ/UMX-T2 and RFVC6xxx Series)

Page 41-42

- Internal frequency doubler and buffer AMP
- ½ frequency output provided
- Frequency: 4000MHz to 8000MHz
- Resonator: Microstrip or Ceramic
- PCB: Rogers
- Package size: 12.75 x 12.75mm

### Applications

- DRO replacements
- Higher frequency applications
- Wide bandwidth applications
- Test instrumentation

## Other VCOs (UMV, UMT, X05, RFVC68xx, & RFVC9xxx)

Page 43-44

## Phase Locked Loop (PLL) Modules

RFMD offers complete Phase Locked Modules (PLLs) integrating a PLL IC, a VCO, loop filter components, and buffer amplifiers. RFMD has a broad selection of oscillator topologies, resonator technologies, supply voltages, and substrate materials available, allowing us to provide customers with a PLL solution that meets the specific cost, performance, and size requirements for their applications. All of RFMD's PLL modules are 100% RF-tested and RoHS-compliant. The following tables offer a sampling of component designs RFMD provides.

In addition to our vast library of existing PLL products, RFMD also provides custom developed modules. If you would like RFMD to consider designing a custom module, please fill out and submit the Custom PLL/PNP Request Form ([www.rfmd.com/products/vco/customvcorequest.aspx](http://www.rfmd.com/products/vco/customvcorequest.aspx)) or contact us at 1.480.756.6070.



## 5V Narrowband PLLs (PLL350 and RFPK6xxx Series)

Page 44-45

- Low phase noise/fast settling time
- SPI BUS compatible
- Frequency: 100MHz to 3500MHz
- Resonator: Aircoil
- PCB: FR-4 and S1170
- Package size: 20.3 x 14.7mm

### Applications

- Cellular infrastructure
- RFID
- General wireless

## 5V Narrowband PLLs (PLL400 and RFPK7xxx Series)

Page 44-45

- Low phase noise/fast settling time
- SPI BUS compatible
- Frequency: 700MHz to 2500MHz
- Resonator: Aircoil
- PCB: FR-4 and S1170
- Package size: 15.2 x 15.2mm

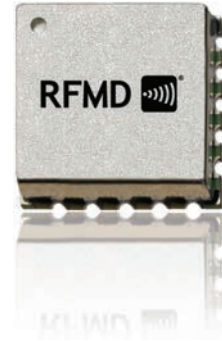
### Applications

- Cellular infrastructure
- RFID
- General wireless

## Plug-N-Play Synthesizers

RFMD offers complete Plug-N-Play Synthesizers (PNPs) for low noise frequency synthesizer applications consisting of a VCO, PLL, loop filter, and micro-controller interface. The PNP family of RF signal sources is the world's first family of truly configurable frequency synthesizer modules. These synthesizers can make quick adjustments with amazing accuracy, speed, and performance. All of RFMD's PNP modules are 100% RF-tested and RoHS-compliant. The following tables offer a sampling of component designs RFMD provides.

In addition to our vast library of existing PNP products, RFMD also provides custom developed modules. If you would like RFMD to consider designing a custom module, please fill out and submit the Custom PLL/PNP Request Form ([www.rfmd.com/products/vco/customvcorequest.aspx](http://www.rfmd.com/products/vco/customvcorequest.aspx)) or contact us at 1.480.756.6070.



### Plug-N-Play Narrowband Synthesizers (PNP L22 and RFPK3xxx Series)

Page 46-47

- Internal microcontroller
- Programmable start/stop/step size
- SPI BUS compatible
- Frequency: 500MHz to 4000MHz
- Resonator: Microstrip
- PCB: Rogers
- Package size: 12.75 x 12.75mm

#### Applications

- Highly integrated radio designs
- High performance radios
- Microwave radio IF conversion
- Instrumentation
- Frequency synthesizers

### Plug-N-Play Wideband Synthesizers (PNP P22 and RFPK4xxx Series)

Page 46-47

- Internal microcontroller
- Programmable start/stop/step size
- SPI BUS compatible
- Frequency: 500MHz to 4000MHz
- Resonator: Microstrip or Coaxial
- PCB: Rogers
- Package: 15.2 x 15.2mm

#### Applications

- Highly integrated radio designs
- High performance radios
- Microwave radio IF conversion
- Instrumentation
- Frequency synthesizers

### Assembly Process Application Notes

Page 48-49

### Additional Application Notes and Package Info

Page 50-51

# RFVC-6600-6799 (UMJ)

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{sc0}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz,dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz,p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMJ-1831-R14-G	21	28	1	11.5	1	8	-25	-135	0.05	0.05	11.5	18	R14
UMJ-409-D14-G	45	53	1	10	2	+9	-20	-130	0.04	0.1	5	15	D14
UMJ-1823-D14-G	46.5	53.9	0.5	4.5	4	9	-25	-124	0.1	0.2	5	15	D14
UMJ-123-D14-G	50	60	1	4	4	+9	-25	-123	0.2	0.5	5	18	D14
UMJ-177-D14-G	54	64	1	10	2.2	+10	-20	-132	0.05	0.1	5	18	D14
RFVC-6601	60	60	0.5	5.5	2.2	5	-20	-129	0.1	0.05	5	18	D14
UMJ-958-D14-G	60	70	0.5	4.5	3.5	+9	-20	-128	0.1	0.5	5	16	D14
UMJ-1794-D14-G	62	74	1.5	11	1.7	9	-20	-133	0.05	0.1	5	16	D14
UMJ-924-D14-G	68	80	1.5	11	2	+9	-20	-133	0.05	0.1	5	16	D14
UMJ-531-D14-G	68.8	68.8	0.5	4.5	2	+9	-25	-129	0.04	0.1	5	16	D14
UMJ-559-D14-G	75	85	0	5	3	+9	-20	-130	0.05	0.05	5	20	D14
UMJ-635-D14-G	75	105	1	12	3	+9	-25	-130	0.1	0.5	5	18	D14
UMJ-950-D14-G	75	110	1	12	3.6	+9	-20	-125	0.5	0.5	12	15	D14
RFVC-6600	75	110	1	10	4.3	7	-20	-125	1	1	10	15	D14
UMJ-797-D14-G	80	80	0.5	4.5	1	+9	-20	-137	0.2	0.5	5	20	D14
UMJ-910-D14-G	80	80	1	4	1	+9	-20	-134	0.1	0.1	4.5	19	D14
UMJ-470-D14-G	85	88	1	4	2.5	+9	-25	-125	0.05	0.2	8	16	D14
UMJ-232-D14-G	87.4	109.4	1	12	3	+9	-25	-130	0.05	0.1	5	15	D14
UMJ-537-D14-G	88	88	0.5	4.5	3	+9	-25	-130	0.04	0.1	5	16	D14
RFVC6602	93.44	93.44	0.5	4.5	1.9	8	-25	-130	0.1	0.05	5	25	D14
UMJ-1883-D14-G	96	96	0.5	4.5	1	9	-25	-135	0.1	0.05	8	25	D14
UMJ-410-D14-G	105	120	0.5	4.5	8	+7	-20	-125	0.1	0.2	5	15	D14
UMJ-734-D14-G	118	158.4	0	5	10	+9	-15	-120	0.05	0.1	5	18	D14
UMJ-532-D16-G	125	202	1	12	8	+9	-20	-128	0.05	0.1	12	20	D16
UMJ-1911-D14-G	128	128	0.5	4.5	1.5	9	-25	-135	0.1	0.5	5	20	D14
UMJ-271-D14-G	134.2	134.2	0.5	4.5	2	+9	-25	-135	0.1	0.5	5	20	D14
UMJ-674-D14-G	139	159	0.5	4.5	8	+8	-20	-125	0.05	0.05	5	16	D14
UMJ-955-D14-G	140	140	0.5	4.5	2	+8	-25	-135	0.1	0.5	5	20	D14
UMJ-463-D14-G	160	160	0.5	4.5	5	+9	-25	-122	0.2	0.2	5	15	D14
UMJ-1223-D14-G	166	172	0.5	4.5	3.5	+9	-25	-128	0.1	0.2	5	15	D14
UMJ-234-D14-G	177	187	0	5	4	+9	-20	-120	0.25	0.1	5	15	D14
UMJ-967-D14-G	180	190	0.5	4.5	3.6	+9	-25	-128	0.2	0.2	5	18	D14
UMJ-231-D14-G	183	219	1	12	5	+9	-20	-125	0.1	1	5	22	D14
UMJ-1106-R14-G	200	200	0	5	1	+9	-20	-133	0.1	0.4	5	16	R14
UMJ-804-D14-G	200	200	0	5	0.8	+9	-20	-135	0.1	0.5	5	18	D14
UMJ-178-D14-G	202.7	209	1	12	1.3	+9	-20	-132	0.1	0.5	5	18	D14
UMJ-1237-D14-G	202.7	209	1	11	1.3	9	-20	-133	0.1	0.5	5	17	D14
UMJ-441-D14-G	203	218	1	10	4	+9	-20	-122	0.4	0.5	5	15	D14
UMJ-613-D14-G	219	226	1	12	2	+9	-25	-125	0.1	0.3	8	16	D14
UMJ-486-D14-G	220	250	1	10	4.5	+9	-20	-120	0.4	1	5	15	D14
UMJ-614-D14-G	226	244	1	12	2.8	+9	-25	-125	0.1	0.5	8	18	D14
UMJ-968-D14-G	240	250	0.5	4.5	4	+9	-25	-126	0.2	0.5	5	18	D14
UMJ-615-D14-G	244	251	1	12	2	+9	-30	-127	0.1	0.5	8	20	D14
UMJ-225-D14-G	270	290	0.5	4.5	10	+9	-20	-122	0.5	0.5	5	18	D14
UMJ-909-D14-G	270	290	1	4	10	+9	-20	-121	0.5	0.5	4.5	17	D14
UMJ-865-D14-G	270	330	0.5	4.5	24	9	-20	-115	0.5	0.2	5	18	D14
UMJ-1109-D14-G	295	296	0	10	1.25	+9	-25	-130	0.1	0.4	10	18	D14
RFVC6603	335	345	0.5	4.5	16	9	-20	-115	0.5	0.2	5	18	D14

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMJ-1284-D14-G	368	369	0.5	4.5	4	8	-25	-122	0.5	0.3	5	19	D14
UMJ-412-D14-G	370	380	0.5	4.5	10	+7	-20	-118	0.4	2	5	18	D14
UMJ-969-D14-G	370	380	0.5	4.5	4	+9	-25	-124	0.5	0.5	5	20	D14
UMJ-498-D14-G	374	374	0.5	4.5	5	+8	-25	-118	1	1	5	15	D14
UMJ-858-D14-G	400	400	1	4	3	9	-20	-125	0.5	0.5	5	20	D14
UMJ-1448-D14-G	400	400	0	3.3	4	9	-20	-125	0.5	0.5	5	20	D14

## RFVC-6400-6599 (UMS)

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMS-50-R16-G	25	50	1	15	2.4	+9	-15	-125	0.05	0.1	12	18	R16
UMS-100-R16-G	50	100	1	15	4.5	+9.5	-30	-105	0.1	1	12	16	R16
UMS-150-R16-G	75	150	1	16	6	+10	-25	-105	0.2	0.5	12	17	R16
UMS-200-R16-G	100	200	1	16	8	+10	-28	-105	0.2	0.5	12	20	R16
UMS-300-R16-G	150	300	1	16	12	+10	-28	-103	0.2	1	12	16	R16
UMS-400-R16-G	200	400	1	16	15	+11	-25	-102	0.3	2	12	20	R16
UMS-535-R16-G	300	535	1	15	22	+10	-30	-100	0.3	2	12	18	R16
UMS-800-A16-G	400	800	0.5	11	45	+12	-20	-104	0.2	5	12	29	A16
UMS-1000-A16-G	500	1000	0.5	11	55	+10	-20	-103	0.3	5	12	29	A16
UMS-1200-A16-G	600	1200	0.5	12	60	+12	-20	-104	0.2	5	12	29	A16
UMS-1400-A16-G	700	1400	0.5	14	65	+12	-20	-104	0.2	8	12	29	A16
UMS-1800-A16-G	900	1800	0.5	15	80	+12.5	-20	-100	0.5	8	12	32	A16
UMS-1600-A16-G	950	1600	1.5	14	65	+12.5	-20	-103	0.5	8	12	31	A16
UMS-2150-R16-G	950	2150	0.5	16	85	11	-20	-102	1	15	12	28	R16
UMS-1849-R16-G	950	2150	0.5	16	85	11.0	-20	-102	1	15	10.7	28	R16
RFVC-6400	1000	2000	1	14	85	11	-20	-103	0.5	10	12	30	A16
UMS-2000-A16-G	1000	2000	1	14	85	+11	-20	-103	0.3	16	12	31	A16
UMS-2400-A16-G	1400	2400	1	16	85	+10	-20	-95	1	20	12	31	A16
UMS-3200-D16-G	1600	3200	0.5	20	90	7.5	-15	-89	5	8	5	26	D16
UMS-3000-R16-G	2000	3000	1	14	90	+10	-18	-98	1	25	12	28	R16

## RFVC-7000-8999 (VCO 190, 191, 790, 793)

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
VCO190-70TY	68	72	1	4	3	1	-10	-120	1.5	0.4	5	10	T Package
RFVC7092	100	155	0.5	4.5	20	0	-15	-105	1	6	3.3	15	K Package
VCO190-150TY	100	200	1	16	7	0	-15	-114	1.5	0.3	5	10	T Package
RFVC-7063	128	263	0.2	11.2	13	3	-15	-106	1	1	5	15	T Package
RFVC7088	156	183.425	0	3.2	17	5.5	-11	-119	1	4	5	15	T Package
RFVC-7043	156.025	162.025	0.7	2.7	5	0	-13	-115	0.2	0.2	5	9	T Package
VCO190-250TY	200	300	1	12	11.5	0	-13	-110	1.5	0.4	5	11	T Package
RFVC-7044	201.025	207.025	0.7	2.7	5	0	-12	-116	0.5	0.5	5	15	T Package
VCO191-220UY	210	230	1	2.9	16	0	-13	-115	0.5	0.5	3	7	U Package
RFVC-7045	211.025	217.025	0.7	2.7	5	0	-12	-116	0.5	0.5	5	15	T Package

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz,dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz,p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
RFVC-7077	330	380	0.5	4.5	17	0	-15	-110	0.8	0.8	5	11	T Package
VCO190-360TY	335	385	0.5	10	10	0	-10	-114	0.7	0.7	5	10	T Package
VCO190-450ATY	400	500	1	9	15	0	-12	-109	0.7	0.6	5	10	T Package
VCO790-600TY	400	800	0.5	20	30	5.5	-5	-102	0.5	2	5	23	T Package
RFVC7101	450	550	0.5	5	30	6	-15	-104	0.5	3	5	15	T Package
RFVC-7066	463.6	508.6	0.5	4.5	15	0	-20	-110	0.5	1	5	20	T Package
RFVC7105	464	544	0.5	5	30	0	-20	-107	0.2	0.7	4.5	16	K Package
RFVC7098	470	518	0.5	5	15	0	-20	-109	0.2	0.7	4.5	16	K Package
RFVC-7038	470	530	0.5	14	8	0	-20	-115	0.2	0.7	5	15	K Package
RFVC7114	494	568	0.5	5	30	0	-20	-107	0.2	0.7	4.5	11	K Package
VCO793-750TY	500	1000	0	20	40	6	-6	-104	1.5	2	12	25	T Package
RFVC-7025	578	638	0.5	14	7	0	-20	-115			5	15	K Package
VCO190-630TY	600	660	0.5	4.5	22	1	-13	-110	1	1	5	15	T Package
RFVC7115	679	706	0.5	5	15	0	-20	-111	1	0.7	4.5	16	K Package
VCO190-775TY	700	850	1	9.5	27	0	-15	-108	1.8	0.8	5	10	T Package
RFVC-7027	710	810	0.5	4.5	40	0	-20	-109	1.5	1	5	25	T Package
RFVC7116	716	780	0.5	5	25	0	-20	-109	1	0.7	4.5	16	K Package
RFVC7082	753	778	1.4	4.85	19	4	-15	-108	1.2	2	5.25	35	E Package
VCO191-773UY	760	786	0.4	2.6	18	-3	-12	-109	0.5	0.8	3	6	U Package
RFVC-7055	760	786	1	4	12	3	-15	-108	0.5	1	5	12	T Package
RFVC7117	764	824	0.5	5	25	0	-20	-109	1	0.7	4.5	16	K Package
RFVC7120	780	844	0.5	5	25	0	-20	-109	0.75	1	4.5	16	K Package
RFVC-7052	785	825	0.5	4.5	15	0	-20	-105	1	6	3.3	15	K Package
RFVC-7026	790	865	0.5	14	8	0	-20	-108			5	15	K Package
VCO190-900TY	800	1000	1	9	30	0	-15	-106	1	1.2	5	11	T Package
VCO790-915KY	800	1030	0.4	3.5	90	6	-18	-93	1	15	4.1	25	K Package
RFVC7118	818	884	0.5	5	25	0	-20	-109	1	0.7	4.5	16	K Package
VCO191-836UY	823	849	0.4	2.6	18	-3	-12	-108	0.8	0.8	3	6	U Package
RFVC7108	824	849	0.5	4.5	15	5	-20	-107	2	5	5	15	K Package
VCO190-860TY	845	875	1	4	15	3	-15	-113	0.5	1	5	12	T Package
RFVC-7078	851	877	0.4	2.6	18	-3	-12	-108	0.7	0.9	3	6	U Package
RFVC7106	852	916	0.5	5	25	0	-20	-108	1	0.7	4.5	16	K Package
VCO191-890UY	860	920	0.4	2.6	45	-3	-10	-102	0.9	1	3	6	U Package
RFVC7084	869	894	1.4	4.85	19	4	-15	-102	1.2	2	5.25	35	E Package
RFVC7110	869	894	0.5	4.5	15	0	-20	-108	2	2	5	15	K Package
RFVC7119	878	944	0.5	5	25	0	-20	-109	1	0.7	4.5	16	K Package
VCO191-902UY	889	915	0.4	2.6	18	-3	-14	-108	0.4	0.7	3	6	U Package
VCO190-1000TY	900	1100	0.7	4.3	80	3	-12	-96	2	2	5	11	T Package
VCO190-915TY	902	928	1	4	12	5	-15	-113	1	1	5	12	T Package
VCO191-915UY	902	928	0.4	2.6	18	-3	-16	-109	0.8	0.8	3	6	U Package
RFVC7123	912	976	0.5	5	25	0	-20	-108	1	0.7	4.5	16	K Package
VCO191-926UY	913	939	0.4	2.6	18	-3	-17	-108	0.5	0.7	3	6	U Package
RFVC-7072	918	960	0.5	4.5	19	0	-15	-109	0.2	0.4	5	22	T Package
RFVC-7023	919.5	932.5	1	5	6	5	-25	-118	0.5	1	6	35	T Package
RFVC-7031	920	970	0.5	5	15	1	-13	-113	1	1.5	5	11	T Package
RFVC-7021	950	1960	0.8	11	125	5	-8	-100	2	10	5	25	T Package
VCO790-1550TY	950	2150	0.5	22	75	6	-8	-98	2.5	10	5	25	T Package
VCO793-1550TY	950	2150	0.5	22	75	7	-8	-98	2.5	7	12	25	T Package
RFVC-7074	950	2150	0.5	16	85	10	-20	-98	6	3	10.7	50	R16
VCO190-964TY	951	977	1	4	13	5	-15	-112	0.4	0.9	5	11	T Package



# PRODUCTS

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz,dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz,p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
RFVC-7042	951	977	0.4	2.6	18	-3	-14	-108	0.6	0.7	3	6	U Package
RFVC7127	956	1036	0.5	5	30	0	-20	-107	0.3	1	4.5	16	K Package
RFVC-7035	960	1010	0.5	4.5	19	0	-25	-110	1	1	5	25	T Package
RFVC7111	965	990	0.5	4.5	15	0	-20	-109	2	2	5	15	K Package
RFVC-7046	981	1052	0.5	4.5	25	0	-15	-109	2	2	5	15	T Package
RFVC-7039	991	1056	1	3.9	35	3	-15	-107	0.6	0.2	5	25	T Package
VCO190-1007UY	994	1019	1	4.2	18	3	-15	-112	0.4	1	5	22	U Package
RFVC-7056	995	1155	1	4	80	2.5	-12	-98	4	5	5	15	T Package
VCO191-1013UY	996	1031	0.4	2.6	25	-3	-15	-106	0.7	1	3	6	U Package
VCO790-1500TY	1000	2000	0.5	20	75	6	-9	-97	2.5	7	5	25	T Package
VCO793-1500TY	1000	2000	0.5	20	75	7	-9	-100	2.5	7	12	25	T Package
RFVC-7040	1005	1034	1	3.9	15	3	-15	-114	0.2	0.6	5	25	T Package
RFVC-7053	1005	1065	0.5	4.5	16	0	-15	-109	2	1	5	15	K Package
RFVC-7008	1039	1064	0.5	4.5	12	0	-15	-112	1	2	5	15	K Package
RFVC-7073	1043	1086	0.5	4.5	19	0	-15	-114	0.27	0.2	7.4	22	T Package
RFVC-7047	1063.5	1079	1	5	9	5	-25	-118	0.5	1	6	35	T Package
RFVC-7006	1067	1119	1	3.9	20	3	-15	-110	0.3	0.2	5	25	T Package
RFVC-7054	1045	1109	0.5	4.5	16	0	-15	-109	2	1	5	15	K Package
RFVC-7009	1084	1109	0.5	4.5	12	0	-15	-112	1	2	5	15	K Package
RFVC-7014	1095	1130	0.5	4.5	15	0	-15	-112	1	2	5	15	K Package
RFVC-7075	1106	1107	0.5	2.25	4	2	-20	-115	4	1	4.5	15	T Package
RFVC-7067	1120	1300	0.5	4.5	70	0	-15	-100	3	2	5	20	T Package
RFVC-7064	1129.5	1129.5	0.5	4.5	4	5	-20	-101	1	1	5	15	T Package
RFVC-7058	1130	1130	0.5	4.5	4	5	-20	-101	1	1	4.5	15	U Package
RFVC-7015	1140	1175	0.5	4.5	14	0	-15	-112	1	2	5	15	K Package
RFVC-7057	1150	1230	0.5	4.5	30	0	-15	-102	2	2	5	15	T Package
RFVC-7076	1157	1158	0.5	2.25	4	2	-20	-115	4	1	4.5	15	T Package
RFVC7103	1185	1225	0.5	2.8	42	.75	-17	-103	1	4	3.3	12	K Package
VCO190-1275TY	1200	1350	0.5	4.5	45	1	-18	-100	3	3	5	13	T Package
VCO190-1225UY	1210	1240	1	4.2	14	3	-15	-109	0.2	1	5	15	U Package
RFVC-7036	1212	1248	0.5	4.5	15	0	-15	-110	1	2	5	15	K Package
RFVC-7037	1260	1296	0.5	4.5	15	0	-15	-110	1	2	5	15	K Package
RFVC-7062	1270	2220	1.6	17	85	6	-15	-100	1	10	5	23	R14
VCO191-1305UY	1280	1330	0.4	4	24	-3	-15	-102	1.5	2	3	6	U Package
RFVC-7029	1281	1339	0.4	2.8	34	-3	-15	-100	1.5	2	3	8	U Package
RFVC7090	1295	1355	0.5	4.5	35	0	-20	-111	5	10	5	15	K Package
RFVC7086	1350	1800	4.5	20	38	7	-10	-100	2	4	5	23	U Package
RFVC7091	1395	1455	0.5	4.5	35	0	-20	-110	5	10	5	15	K Package
RFVC-7068	1400	1600	0.5	2.6	150	0	-15	-95	3	3	3.1	10	K Package
RFVC7102	1420	2440	0.5	12	102	8	-15	-90	1	7	15	25	R16
RFVC-7022	1450	1540	0.5	4.5	35	0	-20	-101	1	2	3.3	15	W Package 61513C
RFVC-7002	1479	1554	0.5	4.5	23	0	-20	-125	0.8	0.5	5	30	T Package
RFVC-7010	1495	1540	0.5	4.5	20	0	-15	-108	1	2	5	15	K Package
RFVC-7016	1495	1570	0.5	4.5	27	0	-15	-106	1	2	5	15	K Package
VCO190-1550TY	1500	1600	1	6	35	3	-15	-102	2	2	5	11	T Package
RFVC-7079	1500	1700	0.2	2.8	150	0	-15	-93	3	3	3	12	K Package
RFVC7080	1509	1584	1.4	4.85	50	4	-15	-100	2.3	4	5.25	35	E Package
RFVC-7069	1565	1845	0.75	4.75	90	3	-15	-95	1	1	5	15	T Package
RFVC7104	1580	1700	0.2	2.8	100	0	-25	-93	3	1	3	12	K Package

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
RFVC-7017	1590	1665	0.5	4.5	30	0	-15	-104	2	4	5	15	K Package
RFVC-7011	1635	1695	0.5	4.5	30	0	-15	-104	2	4	5	15	K Package
RFVC-7007	1646	1738	1	3.9	42	3	-15	-101	0.4	0.5	5	25	T Package
RFVC7083	1649	1709	1.4	4.85	42	4	-15	-100	2.3	4	5.25	35	E Package
RFVC7095	1662	1708	0.5	4.5	22	0	-15	-106	2	4	5	15	K Package
RFVC-7041	1667	1709	1	3.9	22	3	-15	-102	0.2	1	5	25	T Package
RFVC-7048	1685	1735	1	3.9	34	0	-15	-105	0.2	0.2	5	23	T Package
RFVC-7001	1700	1850	0.5	4.5	70	0	-15	-96	1	11	5	11	T Package
RFVC-7018	1705	1765	0.5	4.5	25	0	-15	-104	2	4	5	15	K Package
RFVC-7012	1715	1775	0.5	4.5	30	0	-15	-104	2	4	5	15	K Package
RFVC-7028	1751	1848	1	3.9	52	3	-15	-100	1	2	5	25	T Package
RFVC7125	1820	2140	1.3	20	20	0	-15	-104	0.2	0.4	5	25	U Package
RFVC7081	1805	1880	1.4	4.85	50	4	-15	-100	2.3	4	5.25	35	E Package
RFVC-7070	1845	2095	0.75	4.75	85	3	-15	-95	1	1	5	25	T Package
RFVC7109	1850	1920	0.5	4.5	30	5	-20	-102	2	8	5	15	K Package
RFVC-7013	1895	1940	0.5	4.5	20	0	-15	-104	2	4	5	15	K Package
RFVC-7019	1895	1955	0.5	4.5	30	0	-15	-103	2	4	5	15	K Package
VC0190-1950TY	1900	2000	1	6	35	3	-15	-100	2	2	5	11	T Package
RFVC7112	1930	2000	0.5	4.5	30	0	-20	-102	2	4	5	15	K Package
RFVC7113	2047.6	2117.2	0.5	4.5	30	0	-20	-102	2	4	5	15	K Package
VC0190-2200TY	2100	2300	0.5	4.5	80	0	-14	-95	3	5	5	12	T Package
VC0790-2300TY	2100	2500	0.5	4.5	192	3	-25	-90	10	12.5	5	15	T Package
VC0793-2300TY	2100	2500	0.5	4.5	192	3	-25	-90	10	12.5	12	15	T Package
VC0190-2275TY	2200	2350	1	10	30	5	-15	-102	1	3	5	15	T Package
RFVC-7071	2226.5	2226.5	0.5	4.5	15	5	-20	-100	1	2	5	40	T Package
RFVC-7061	2280	2420	0.5	4.5	45	0	-20	-96	1	6	3.3	15	W Package 61513C
RFVC-7020	2285	2355	0.5	4.5	30	0	-15	-100	2	4	5	15	K Package
RFVC7096	2352	2408	0.5	4.5	34	0	-15	-101	2	4	5	15	K Package
VC0190-2420TY	2370	2470	0.5	4.5	45	2	-20	-98	1.5	2	5	14	T Package
VC0191-2450UY	2400	2500	0.4	2.7	55	-3	-15	-93	3	3	3	7	U Package
VC0790-2560KY	2400	2685	1	4	217	6	-15	-89	4	19	4.1	26	K Package
VC0190-2600TY	2500	2700	0.5	4.5	90	0	-15	-91	3	5	5	12	T Package
RFVC7097	2512	2618	0.5	4.5	25	0	-20	-100	2	4	5	15	K Package
RFVC7107	2550	2640	0.5	4.5	35	0	-20	-98	1	6	3.3	15	W Package 61513C
VC0190-2800TY	2750	2850	0.5	4.5	45	2	-18	-96	3	2	5	16	T Package
VC0190-2925TY	2850	3000	1	10	30	5	-15	-102	1	3	5	15	T Package
VC0790-2965KY	2865	3065	1	4	195	6	-15	-89	3	27	4.1	26	K Package
RFVC7126	3300	3360	0.5	2.5	78	1	-30	-84	28	4	2.8	16	K Package
VC0190-3925TY	3850	4000	1	10	30	5	-15	-94	1	15	5	15	T Package
VC0190-4025TY	3950	4100	1	10	30	5	-15	-94	1	15	5	15	T Package
RFVC7093	4100	4300	0	9	27	3	-15	-91	2	13	5	15	K Package

# RFVC-2000-3999 (UMZ)

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz,dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz,p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMZ-213-A16-G	50	100	0	5	14	+8	-20	-107	0.3	0.5	10	18	A16
UMZ-2029-D16-G	60	80	1	4	9	7	-15	-118	1	1	5	16	D16
UMZ-1806-D16-G	70	170	0	15	7.5	9	-25	-120	0.5	0.1	12	25	D16
UMZ-1409-A16B-G	80.5	86	0.2	3.8	3	6	-17	-123	0.2	0.1	4.6	20	A16
UMZ-1561-D16-G	85	120	0.5	15	4	9	-25	-125	0.5	0.5	5	20	D16
UMZ-197-A16-G	96	133	0	11	6.5	+10	-25	-105	0.2	0.5	12	16	A16
UMZ-1155-R16-G	100	100	0.5	4.5	1	+9	-25	-135	0.1	0.1	5	15	R16
UMZ-2072-R16-G	100	100	1	9	0.5	10	-15	-135	0.1	0.1	10	17	R16
UMZ-343-D16-G	100	120	0.5	4.5	10	+1.5	-8	-123	0.3	2	5	11	D16
UMZ-1776-D16-G	100	135	5	4.5	10	7	-20	-125	0.1	0.5	5	20	D16
RFVC-2020	105	105	0.5	4.5	1	5	-25	-135	0.1	0.1	5	15	D16
UMZ-1753-R16-G	112	225	1	9	13	0	-15	-105	0.5	1	3	15	R16
UMZ-566-A16-G	120	165	0.5	6	11	+8	-30	-103	0.8	0.5	5	10	A16
UMZ-266-A16-G	125	135	0.5	4.5	5	+11	-30	-113	0.2	1	5	15	A16
UMZ-1153-D16-G	136	174	0.5	4.5	13	+9	-25	-123	0.3	0.5	5	22	D16
UMZ-344-A16-G	140	265	1	15	11	+10	-25	-103	0.5	2	12	17	A16
UMZ-477-A16-G	147	221	1	11	10	+10	-25	-107	0.3	0.5	12	18	A16
UMZ-951-D16-G	150	250	1	12	12	+9	-25	-116	1	0.1	5	26	D16
UMZ-1496-R16-G	150	300	1	16	12	8	-25	-102	1	0.2	5	15	R16
UMZ-1188-R16-G	160	180	0.5	4.5	12	+3	-25	-103	0.5	0.5	4.75	8	R16
UMZ-1758-D16-G	161	223	0.25	4.5	15	6	-15	-115	0.5	0.1	5	18	D16
UMZ-1098-D16-G	169	179	0.5	4.5	5	+2.5	-13	-117	0.3	0.5	3	8.5	D16
UMZ-552-A16-G	197	230	0.5	5.5	18	+11	-25	-102	1	2	6	16	A16
UMZ-1154-D16-G	200	239	0.5	4.5	13	+8	-25	-122	0.4	0.5	5	20	D16
UMZ-567-A16-G	200	240	0.5	6	15	+9	-30	-102	0.6	1	5	10	A16
RFVC-2021	200	260	0.5	7.5	11	5	-25	-119	0.4	0.5	8	25	D16
UMZ-1738-D16-G	200	500	0	18	18	6	-15	-112	1	1	5	27	D16
UMZ-1955-D16-G	205	350	0.5	11.5	16	-3	-15	-111	0.5	1	3.3	20	D16
UMZ-1333-D16-G	211	221	0.5	4.5	5	2.5	-15	-115	0.1	0.5	3	8	D16
UMZ-1757-R16-G	225	450	1	9	26	0	-15	-105	0.5	1	3	15	R16
UMZ-1844-R16-G	225	470	0.5	11.5	26	0	-15	-109	0.5	1	3	15	R16
UMZ-555-A16-G	265	310	0.5	5.5	18	+11	-25	-102	1	2	6	16	A16
UMZ-457-A16-G	295	323	0.5	4.5	18	+3	-25	-100	0.5	2	5	10	A16
UMZ-1497-R16-G	295	530	1	15	22	8	-30	-100	1	2	5	28	R16
UMZ-149-A16-G	300	345	0.5	4.5	18	+3	-20	-100	1	1	5	15	A16
UMZ-362-A16-G	300	400	1	15	16	+10	-30	-103	1.5	0.5	12	15	A16
UMZ-565-A16-G	300	440	0	5.5	38	+11	-8	-103	1	5	6	19	A16
UMZ-1650-R16B-G	316	361	0.5	4.5	13	0	-15	-113	0.5	0.5	5	25	R16
UMZ-143-A16-G	322	352	0.5	4.5	15	+3	-13	-115	0.5	2	5	15	A16
UMZ-1835-A16-G	322	352	0.5	4.5	14	0	-13	-115	0.5	2	5	15	A16
UMZ-1052-A16-G	325	775	0	12	45	+7	-13	-105	0.5	5	12	25	A16
RFVC2064	335	351	0	10	8	5	-15	-110	0.2	0.5	5	25	A16
RFVC-2022	340	400	0.5	7.5	15	5	-14	-115	0.5	0.3	8	20	D16
UMZ-1424-D16-G	340	490	1	9	24	0	-15	-105	0.5	1	3	15	D16
UMZ-954-D16-G	350	350	0.5	4.5	4.5	+2	-15	-122	0.2	0.1	5	28	D16
UMZ-1948-D16-G	350	500	0	5	39	5	-15	-110	1.5	1	5	28	D16

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	K <sub>vco</sub> (MHz/V) typ.	P <sub>out</sub> (dBm) typ.	2nd Har (dBc) typ.	→ Noise (±10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMZ-1214-R16-G	358	377	0.5	4.5	8	0	-15	-122	0.25	0.25	4.7	15	R16
UMZ-220-A16-G	370	380	0.5	4.5	6	0	-15	-119	0.5	1	5	15	A16
UMZ-1306-R16-G	374	390	0.5	4.5	8	0	-15	-120	0.1	0.2	4.7	16	R16
UMZ-144-A16-G	376	410	0.5	4.5	13	+3	-20	-118	1	1	5	15	A16
UMZ-222-A16-G	380	380	1	4	6	0	-20	-116	0.2	0.3	5	12	A16
RFVC-2026	380	410	0.5	4.5	12	3	-15	-118	1	1	5	15	A16
UMZ-198-D16-G	380	450	0.2	4.8	22	0	-14	-115	0.5	0.3	5	14	D16
RFVC2065	386	405	0	10	8	5	-15	-110	0.2	0.5	5	25	A16
UMZ-1044-R16-G	390	406	0.5	4.5	8	0	-14	-122	0.1	0.1	4.75	15	R16
UMZ-219-A16-G	390	415	0.5	4.5	12	0	-20	-117	0.5	0.5	5	15	A16
UMZ-662-D16-G	390	520	0	5	32	+5	-17	-110	1.5	1	5	28	D16
UMZ-663-D16-G	390	520	0	5	32	+8	-15	-107	1	1	8	29	D16
UMZ-1086-A16-G	392	800	2	13	45	+10	-13	-105	0.5	5	12	25	A16
UMZ-867-D16-G	400	500	0.5	4.5	37	5	-15	-110	1	1	5	20	D16
UMZ-584-A16-G	400	700	1	9	50	+10	-10	-102	0.4	5	12	27	A16
UMZ-211-A16-G	400	800	0.4	4.6	100	0	-15	-100	5	2	5	27	A16
UMZ-1215-R16-G	403	422	0.5	4.5	8	0	-15	-120	0.25	0.25	4.7	15	R16
UMZ-1043-R16-G	405	425	0.5	4.5	8	0	-14	-121	0.25	0.2	4.75	15	R16
UMZ-672-D16-G	406	426	0.5	4.5	13	+5	-15	-115	0.5	0.3	5	27	D16
UMZ-1307-R16-G	419	435	0.5	4.5	8	0	-14	-121	0.1	0.2	4.7	15	R16
UMZ-443-D16-G	428.6	448.6	1	12	6	+8	-15	-112	0.2	1	5	25	D16
UMZ-1085-A16-G	430	700	2	13	45	+10	-13	-105	0.5	5	12	25	A16
UMZ-1150-R16-G	435	451	0.5	4.5	8	0	-15	-120	0.1	0.2	4.7	15	R16
UMZ-407-D16-G	440	460	0.5	4.5	13	+5	-15	-115	0.5	0.3	5	27	D16
UMZ-1151-R16-G	450	470	0.5	4.5	8	0	-15	-120	0.1	0.2	4.7	15	R16
UMZ-195-D16-G	450	533	0.2	4.8	23	0	-15	-115	0.5	0.5	5	14.5	D16
RFVC-2037	455	465	0.5	4.5	7	0	-15	-120	0.1	0.2	5	15	R16
UMZ-1087-A16-G	460	920	2	13	45	+10	-15	-103	0.4	5	12	25	A16
UMZ-1308-R16-G	464	480	0.5	4.5	8	0	-15	-121	0.1	0.2	4.7	15	R16
RFVC-2038	475	485	0.5	4.5	7	0	-15	-120	0.1	0.2	5	15	R16
UMZ-1309-R16 -G	480	496	0.5	4.5	8	0	-15	-121	0.1	0.2	4.7	15	R16
UMZ-313-D16-G	493	602	2	12	13	+5	-15	-116	0.5	1	5	20	D16
UMZ-1216-R16-G	496	512	0.5	4.5	8	0	-15	-120	0.25	0.25	4.7	15	R16
UMZ-408-D16-G	500	850	0.5	8.5	55	+5	-18	-103	0.5	4	5	24	D16
RFVC-2028	525	535	0.5	4.5	8	0	-15	-120	0.2	0.1	5	15	R16
UMZ-196-D16-G	532	595	0.2	4.8	22	+1	-13	-115	0.5	0.5	5	11	D16
RFVC-2006	534	716	0.5	11.5	20	-3	-15	-115	2	1	3.3	15	R16
UMZ-431-A16-G	540	560	1	4	14	+2.5	-13	-110	0.3	0.5	5	16	A16
RFVC-2029	545	555	0.5	4.5	8	0	-15	-120	0.2	0.1	5	15	R16
UMZ-735-D16-G	560	560	0.5	4.5	10	0	-15	-116	0.5	0.5	5	15	D16
RFVC-2039	570	580	0.5	4.5	7	0	-15	-120	0.1	0.2	5	15	R16
UMZ-218-A16-G	580	620	0.5	4.5	15	0	-15	-116	0.2	1	5	14	A16
UMZ-221-A16-G	600	650	0.5	4.5	18	0	-20	-115	0.5	1	5	14	A16
RFVC2058	600	700	1	10	22	8	-15	-115	2	1	8	28	D16
UMZ-249-A16-G	600	1200	0	13	60	+10	-20	-103	0.5	5	12	27	A16
UMZ-502-A16-G	600	1235	1	13	65	+11	-20	-103	0.3	5	12	26	A16
UMZ-102-A16-G	610	634	0.5	4.5	9	0	-8	-115	0.2	1	5	27	A16
UMZ-1489-R16-G	620	710	0.5	4.5	30	0	-15	-113	0.5	1	5	17	R16
UMZ-460-A16-G	622	622	0.5	4.5	9	0	-8	-115	0.2	1	5	27	A16

# PRODUCTS

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz,dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz,p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMZ-1290-A16-G	625	1075	0	12	45	7	-15	-105	1	5	5	28	A16
UMZ-1921-A16-G	625	1075	0	12	45	7	-15	-106	1	2	8	30	A16
UMZ-1433-D16-G	650	760	0.5	4.5	38	0	-15	-110	1	1	5	17	D16
UMZ-1850-D16-G	653	679	0.5	4.5	13	0	-15	-112	0.5	1	4.75	23	D16
UMZ-469-A16-G	655	665	1	4	15	+7.5	-15	-112	0.5	1	8	27	A16
UMZ-442-A16-G	658	757	1	12	13	+5	-20	-115	0.2	1	8	27	A16
UMZ-141-A16-G	674	814	0.5	4.5	45	+9	-15	-111	0.5	1	10	26	A16
UMZ-1992-A16-G	675	825	0.5	4.5	50	3	-15	-107	1	1	5	20	A16
UMZ-1099-D16-G	676	716	0.5	4.5	15	+2	-13	-108	0.5	0.5	3	9	D16
UMZ-285-A16-G	698	722	0.5	4.5	11	+5	-15	-115	0.5	1	5	27	A16
UMZ-1808-A16-G	700	900	0.5	4.5	60	0	-18	-107	1	0.3	4.6	16	A16
UMZ-992-D16-G	700	1000	1	18	20	0	-12	-112	0.5	1	8	28	D16
UMZ-379-A16-G	700	1200	1.5	13	65	+11	-20	-103	0.5	6	15	27	A16
UMZ-1851-D16-G	709	745	0.5	4.5	14	0	-15	-112	0.5	1	4.75	23	D16
UMZ-106-A16-G	736	760	0.5	4.5	13	0	-20	-115	0.2	1	5	25	A16
UMZ-868-D16-G	740	800	0.5	4.5	20	0	-15	-110	1	1	3.3	15	D16
UMZ-129-A16-G	745	885	0.5	4.5	45	+9	-12	-108	1	2	10	25	A16
UMZ-499-A16-G	748	748	0.5	4.5	10	0	-20	-118	0.2	1	5	25	A16
UMZ-815-D16-G	750	830	0.5	4.5	28	+4.0	-15	-112	0.5	0.5	5	20	D16
UMZ-1088-R16-G	750	1300	0.5	10	70	+7	-20	-102	0.5	5	12	28	R16
UMZ-632-A16-G	750	1350	2	13	60	+7	-20	-103	0.2	5	12	29	A16
UMZ-812-D16-G	757	762	0.5	4.5	10	0	-20	-116	0.5	1	5	27	D16
UMZ-103-A16-G	759	787	0.5	4.5	10	0	-13	-118	0.1	1	5	21	A16
UMZ-1434-D16-G	760	875	0.5	4.5	40	0	-15	-110	1	1	5	17	D16
UMZ-461-A16-G	773	773	0.5	4.5	9	0	-13	-115	0.1	1	5	21	A16
UMZ-194-D16-G	777	880	0.5	4.5	35	-3	-15	-110	1	0.5	5	13	D16
UMZ-1880-D16-G	777	880	0.5	4.5	35	0	-15	-110	1	1	5	13	D16
UMZ-326-D16-G	800	815	1	4	16	+4	-10	-112	0.3	1.5	5	13	D16
UMZ-325-A16-G	800	890	1	8	21	-4	-15	-112	0.2	0.5	5	15	A16
UMZ-575-D16-G	800	950	1	15	18	0	-20	-114	1	1	5	26	D16
UMZ-993-D16-G	800	1150	1	18	24	0	-12	-110	0.2	1	8	28	D16
UMZ-1600-A16-G	800	1550	0	5	200	6	-20	-100	1.5	15	10	25	A16
UMZ-1398-A16-G	800	1600	0	5	175	+6	-20	-97	2	5	5	25	A16
UMZ-1601-A16-G	800	1600	0	6	200	6	-20	-100	1.5	15	10	25	A16
RFVC-2040	821	831	0.5	4.5	7	0	-15	-116	1	1	5	25	R16
UMZ-425-A16-G	823	849	0.5	4.5	13	+3	-15	-113	0.3	1	5	14	A16
RFVC-2051	823	849	0.5	4.5	13	7	-15	-113	0.3	3	5	30	A16
UMZ-833-D16-G	830	970	0.5	4.5	45	2	-15	-110	0.5	1	5	27	D16
UMZ-1491-D16-G	830	970	0.5	4.5	45	7	-15	-110	0.5	1	5	27	D16
UMZ-1074-D16-G	835	1263	0.3	4.8	130	+6	-15	-100	1.5	1	5	27	D16
UMZ-934-R16-G	845	875	1	4	14	3.5	-15	-113	0.1	1	5	15	R16
UMZ-1250-D16-G	850	910	0.5	4.5	22	4	-20	-111	0.5	0.5	4.75	23	D16
UMZ-1492-A16-G	860	960	0.5	4.5	45	2	-15	-110	0.5	1	5	27	A16
RFVC-2041	861	871	0.5	4.5	6.5	0	-15	-116	1	1	5	25	R16
UMZ-605-A16-G	869	894	0.5	4.5	14	0	-16	-114	0.5	1	5	25	A16
UMZ-583-A16-G	876	915	0.5	4.5	16	0	-20	-115	1	1	5	25	A16
UMZ-193-D16-G	880	960	0.5	4.5	30	-3	-15	-110	1	0.5	5	13	D16
UMZ-1993-A16-G	880	1050	0.5	4.5	72	3	-15	-105	1	1	5	20	A16
UMZ-505-A16-G	890	960	0.5	4.5	27	+2	-20	-110	1.5	1	5	27	A16

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	K <sub>vco</sub> (MHz/V) typ.	P <sub>out</sub> (dBm) typ.	2nd Har (dBc) typ.	→ Noise (±10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMZ-1651-R16-G	890	1210	0.5	11	34	0	-15	-110	1	0.5	8	30	R16
UMZ-1369-A16-G	900	900	0.5	4.5	10	0	-15	-115	0.2	1	5	22	A16
UMZ-479-D16-G	900	1100	1	11	26	+4	-20	-111	0.5	1	5	27	D16
UMZ-1567-A16-G	900	1100	1	11	26	4	-20	-111	0.5	1	5	27	A16
UMZ-1480-D16-G	900	1600	1	18	42	7	-20	-108	1	2	8	30	D16
UMZ-1325-D16-G	900	1800	0.5	17	60	3	-20	-100	0.5	2	7	30	D16
UMZ-1251-D16-G	910	975	0.5	4.5	22	4	-20	-111	0.5	0.5	4.75	23	D16
UMZ-275-A16-G	915	1167	1	10	40	+3	-15	-110	1	1	5	27	A16
UMZ-464-A16-G	920	1455	0	12	60	+13	-20	-102	0.5	15	12	30	A16
UMZ-294-A16-G	925	1525	0.5	10.5	70	+5	-20	-102	0.3	3	10.5	28	A16
UMZ-1361-D16-G	925	1625	0.5	9.5	95	6	-20	-102	0.2	5	10	26	D16
UMZ-330-A16-G	940	1060	1	5	37	+11	-20	-105	0.5	0.2	9	35	A16
UMZ-602-D16-G	950	1150	1	12	21	+4	-20	-112	0.5	1	5	27	D16
UMZ-182-A16-G	950	1525	2	12	65	+12	-20	-103	0.6	15	12	31	A16
UMZ-184-A16-G	950	1600	1	13.5	62	+12	-25	-102	0.4	15	12	31	A16
UMZ-1394-A16-G	950	1600	1	13.5	62	+12	-25	-103	0.4	15	12	31	A16
UMZ-1102-D16-G	950	1750	1.5	16	65	+8	-20	-103	0.4	10	12	27	D16
UMZ-345-A16-G	950	1750	1	16	65	+12	-20	-100	1.5	15	12	31	A16
UMZ-400-D16-G	950	1750	1.5	16	65	+8	-20	-103	0.3	5	12	29	D16
UMZ-749-R16-G	950	1750	1.5	16	65	+8	-20	-100	1	5	5	25	R16
UMZ-887-D16-G	962	1213	0.5	4.5	83	+6	-15	-106	1	2	5	20	D16
UMZ-1370-A16-G	962.5	962.5	0.5	4.5	10	10	-15	-115	0.2	1	5	22	A16
UMZ-230-D16-G	973	986	0.5	4.5	16	+1	-20	-117	0.2	0.5	5	25	D16
UMZ-1063-D16-G	974	1074	0	12	11	+7	-15	-114	0.1	2	8	28	D16
UMZ-1377-D16-G	979	1018	0.5	4.5	20	1	-15	-115	0.2	1	5	25	D16
UMZ-108-D16-G	990	1130	1	8.5	23	+5	-20	-112	1	2	5	28	D16
UMZ-432-A16-G	995	1155	1	4	75	+2.5	-12	-106	0.5	2	5	15	A16
UMZ-533-D16-G	1000	1100	0.5	4.5	37	+11	-20	-112	2.5	4	5	29	D16
UMZ-980-D16-G	1000	1250	2	12	32	0	-12	-110	0.5	1	8	28	D16
RFVC-2013	1000	1250	2	12	32	0	-12	-110	0.5	1	8	28	D16
UMZ-1156-D16-G	1000	1300	0	13	33	0	-13	-112	0.1	1	10	28	D16
UMZ-1097-D16-G	1000	1400	0.5	9.5	90	+9	-20	-102	0.5	5	10	25	D16
UMZ-402-D16-G	1000	1760	0.5	9.5	90	+9	-20	-102	0.5	15	10	25	D16
UMZ-185-A16-G	1000	1780	1.7	13.7	80	+12	-20	-102	1.5	15	12	31	A16
UMZ-1414-A16-G	1000	1780	1.7	13.7	80	+12	-20	-102	1.5	15	12	31	A16
UMZ-1451-R16-G	1000	2000	1	14	80	0	-20	-98	1.5	2	5	28	R16
UMZ-582-A16-G	1020	1020	0.5	4.5	20	+2	-13	-113	0.5	0.5	8	25	A16
UMZ-1371-A16-G	1025	1025	0.5	4.5	10	0	-15	-115	0.2	1	5	22	A16
UMZ-1252-D16-G	1030	1135	0.5	4.5	38	3	-15	-110	1	0.5	4.75	23	D16
UMZ-638-R16-G	1046	1046	0.5	4.5	7.5	0	-18	-115	0.1	0.3	5	26	R16
UMZ-654-A16-G	1080	1150	0.5	4.5	24	0	-15	-115	1	1	5	26	A16
UMZ-1372-A16-G	1087.5	1087.5	0.5	4.5	10	0	-15	-115	0.2	1	5	25	A16
RFVC-2017	1088	1600	0.5	20	32	0	-10	-108	2	2	5	28	D16
UMZ-1253-D16-G	1090	1200	0.5	4.5	38	3	-20	-110	1.5	0.5	4.75	23	D16
UMZ-268-D16-G	1100	1200	0.5	4.5	38	+11	-20	-112	2.5	2	5	29	D16
UMZ-450-A16-G	1140	1140	0.5	3.5	16	+8	-15	-112	0.3	2	5	19	A16
UMZ-1926-D16-G	1142.5	1207.5	0.5	4.5	25	4	-15	-107	0.5	1	5	27	D16
UMZ-1410-A16-G	1150	1150	0.5	4.5	20	4	-15	-115	1	0.7	4.6	25	A16
UMZ-136-A16-G	1160	1160	0.5	4.5	16	+2	-15	-115	0.4	1	5	26	A16

# PRODUCTS

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMZ-639-D16-G	1176	1176	0.5	4.5	10	+5	-20	-116	0.5	3	5	25	D16
UMZ-636-R16-G	1181	1640	0.5	16	36	8.0	-20	-109	0.3	3	10	28	R16
UMZ-429-A16-G	1190	1360	1	4	72	+2.5	-15	-104	0.5	4	5	15	A16
UMZ-454-A16-G	1195	1205	1	4	11	+7.5	-15	-115	0.3	2	8	25	A16
UMZ-156-A16-G	1200	1300	1	8	25	+8	-20	-108	1	2	5	27	A16
UMZ-301-A16-G	1200	1400	0.5	4.5	82	+4	-20	-105	1.5	1	5	27	A16
UMZ-1766-D16-G	1200	1600	0	15	33	7	-15	-105	1	4	6	28	D16
UMZ-558-A16-G	1200	1775	2.5	12	75	+2	-20	-100	1	10	4.7	24	A16
UMZ-104-A16-G	1218	1262	0.5	4.5	16	+8	-15	-112	0.3	2	5	19	A16
UMZ-589-A16-G	1225	1225	0.5	4.5	11	0	-15	-116	0.2	1	5	24	A16
UMZ-1927-D16-G	1235	1352.5	0.5	4.5	39	5	-15	-107	0.5	1	5	27	D16
UMZ-466-A16-G	1240	1240	0.5	4.5	20	+8	-15	-115	0.5	1	5	27	A16
UMZ-974-D14-G	1240	2100	2	15	85	+6	-15	-100	1	10	5	23	D16
UMZ-1376-R14-G	1240	2100	2	16	85	6	-15	-100	1	10	5	23	R16
UMZ-981-D16-G	1250	1500	2	12	30	0	-15	-110	0.5	1	8	28	D16
UMZ-465-A16-G	1250	2120	1.2	13	85	+10	-20	-96	1	15	5	15	A16
UMZ-105-A16-G	1258	1308	0.5	4.5	18	+1	-12	-114	0.5	2	5	25	A16
UMZ-800-D16-G	1261	1626	0	11	40	0	-20	-107	0.3		10	26	D16
UMZ-1994-D16-G	1270	1315	0.5	11	15	2.5	-15	-115	1.5	1	5	30	D16
UMZ-803-D16-G	1270	1570	1	11	38	0	-13	-107	0.5	0.3	8	29	D16
UMZ-1872-R14-G	1270	2220	1.6	17	85	6	-15	-100	1	10	5	23	R16
UMZ-496-A16-G	1283	1283	0.5	4.5	15	+1	-12	-115	0.5	2	5	27	A16
UMZ-1439-A16-G	1289	1556	0.5	5.5	75	0	-15	-105	2	1	5	28	A16
UMZ-1661-A16-G	1289	1556	0.5	4.5	4.5	90	-15	-103	2	1	5	20	A16
UMZ-298-A16-G	1295	1335	0.5	4.5	18	0	-15	-113	0.8	1	5	27	A16
UMZ-334-A16-G	1295	1335	0.5	4	22	0	-15	-113	1.2	1	5	27	A16
UMZ-834-D16-G	1300	1500	0.5	4.5	68	3	-15	-105	0.5	1	8	28	D16
UMZ-1157-D16-G	1300	1600	0	13	28	0	-13	-110	0.5	0.5	10	27	D16
UMZ-1583-D16-G	1300	1700	2	10	62	0	-15	-103	1	1	5	30	D16
UMZ-641-D14-G	1311	2070	2	15	80	+10	-20	-102	1	15	12	31	D16
UMZ-850-D16-G	1330	1580	3	17	30	0	-15	-108	0.8	0.5	5	27	D16
UMZ-1365-I12-G	1350	1350	0.5	4.5	11	8	-15	-105	0.2	4	5	26	I12
UMZ-1971-D16-G	1350	1550	1	9	30	8	-13	-109	0.5		10	27	D16
UMZ-210-A16-G	1375	1700	0.5	4.5	110	0	-20	-104	1.5	1	5	26	A16
UMZ-131-R16-G	1400	1850	0	9	60	+9	-20	-102	2	4	5	26	R16
UMZ-174-A16-G	1410	1510	0.5	4.5	36	+3	-20	-106	1	2	5	26	A16
UMZ-401-D16-G	1430	2230	2	16	80	+10	-20	-97	1.5	15	12	29	D16
UMZ-557-A16-G	1438	1442	1	4	10	+2	-15	-116	0.2	3	5	25	A16
UMZ-110-A16-G	1440	1700	0.3	4.5	85	+2.5	-20	-105	1.5	5	5	24	A16
UMZ-1874-R16-G	1450	1775	2	13	35	3	-20	-110	2	2	8	30	R16
UMZ-1089-D16-G	1460	1825	0.5	18	24	0	-20	-107	0.5	1	8	28	D16
UMZ-807-D16-G	1480	1720	1.5	13	24	0	-20	-107	0.5	1	8	28	D16
UMZ-2030-D16-G	1482	1482	1	4	9	7	-15	-114	0.5	3	5	27	D16
UMZ-140-A16-G	1500	1600	0.5	4.5	36	+2	-20	-108	0.5	1	5	25	A16
UMZ-204-A16-G	1500	1620	1	8.5	22	+5	-20	-108	0.3	1.5	5	28	A16
UMZ-835-D16-G	1500	1700	0.5	4.5	70	3	-20	-105	0.5	1	8	28	D16
UMZ-982-D16-G	1500	1750	2	12	28	0	-15	-110	0.5	0.5	8	28	D16
UMZ-302-A16-G	1510	1650	1.5	12	24	0	-25	-107	0.5	1	8	15	A16
UMZ-1189-D16-G	1520	1635	0.5	4.5	38	+3	-20	-107	0.5	1	4.75	20	D16

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	K <sub>vco</sub> (MHz/V) typ.	P <sub>out</sub> (dBm) typ.	2nd Har (dBc) typ.	→ Noise (±10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMZ-1406-D16-G	1524	1862	2	24	24	6	-20	-110	1	5	8	28	D16
UMZ-165-A16-G	1550	1650	0.5	4.5	45	+2	-15	-102	1	4	5	17	A16
UMZ-2048-R16-G	1550	2600	1	17	80	5	-20	-100	1	4	8	27	R16
UMZ-280-D16-G	1570	1630	0.5	4.5	25	+3	-20	-108	0.5	2	5	27	D16
UMZ-1218-D16-G	1575	2075	0	10	60	4	-20	-100	1.5	8	5	27	D16
UMZ-665-A16-G	1580	1810	0.5	4.5	80	+3	-20	-104	2	5	5	26	A16
RFVC-2002	1580	1930	0.5	4.5	115	1	-15	-99	4	1	7	27	D16
UMZ-2031-D16-G	1583	1583	1	4	11.5	7	-15	-113	0.5	3	5	27	D16
UMZ-309-D16-G	1590	1855	2	10	55	+5	-30	-105	0.5	1.5	5	25	D16
UMZ-150-A16-G	1600	2000	1.3	13	40	+14	-20	-100	1.5	15	12	25	A16
UMZ-1392-A16-G	1600	2000	1.3	13	40	+14	-20	-100	1.5	15	12	25	A16
RFVC-2018	1600	2080	0.5	20	30	0	-15	-106	1	1	5	28	D16
UMZ-456-A16-G	1600	2100	1	14	45	+11	-15	-100	1	10	12	28	A16
UMZ-1064-A16-G	1600	2250	0	11	75	0	-13	-100	2	2	8	28	A16
RFVC-2046	1600	2950	0	18	85	5	-20	-95	2	5	11	27	D16
UMZ-317-D16-G	1600	2700	0.8	17	80	+5	-20	-97	2	5	11	27	D16
UMZ-1996-D16-G	1610	1640	0.5	11	15	2.5	-15	-115	1.5	1	5	30	D16
UMZ-1101-R16-G	1630	1638	0.5	4.5	9	+2.5	-20	-113	0.1	1	5.1	25	R16
UMZ-405-D16-G	1630	1850	0.5	4.5	75	+2.5	-18	-105	1	1	5	26	D16
UMZ-1942-R16-G	1640	1790	0.5	12	20	5	-15	-108	1	2	5	24	R16
UMZ-2071-R16-G	1640	1850	0.2	4.8	60	8	-15	-103	2	5	5	27	R16
UMZ-637-R16-G	1640	1945	0.5	16	32	8.0	-20	-108	0.3	2	10	28	R16
UMZ-430-A16-G	1650	1820	1	4	70	+2.5	-15	-100	1.5	5	5	15	A16
UMZ-839-D16-G	1650	2000	2	10	60	0	-15	-100	0.5	1	5	26	D16
UMZ-124-R16-G	1650	2050	0	9	60	+9	-20	-100	1.5	8	5	27	R16
UMZ-2053-R16-G	1655	1835	0.2	4.8	60	8	-15	-105	2	5	5	27	R16
UMZ-132-A16-G	1660	1680	0.5	4.5	30	0	-20	-109	0.5	1	9	20	A16
UMZ-1190-D16-G	1660	1760	0.5	4.5	36	+3	-20	-107	1	1	4.75	20	D16
UMZ-1841-A16-G	1690	1750	1	3	55	4	-15	-103	2	5	4.75	15	A16
UMZ-1928-D16-G	1692.5	1807.5	0.5	4.5	38	5	-15	-107	0.5	1	5	27	D16
UMZ-2032-D16-G	1698	1701	1	4	9	7	-15	-112	0.5	3	5	27	D16
UMZ-1840-R16-G	1700	1805	0.5	4.5	32	5	-20	-107	1	2	5	26	R16
RFVC-2023	1700	1850	0.5	7.5	27	5	-20	-107	0.5	1	8	28	D16
UMZ-836-D16-G	1700	1900	0.5	4.5	66	3	-20	-105	0.5	1	8	28	D16
UMZ-1584-D16-G	1700	2120	2	10	62	0	-15	-102	1	1	5	30	D16
UMZ-755-D16-G	1700	2150	0.5	4.5	135	+3	-15	-98	4	1.5	5	27	D16
UMZ-133-R16-G	1700	2200	0	9	73	+9	-20	-100	2	5	5	26	R16
UMZ-1560-D16-G	1700	2200	0	18	29	0	-15	-109	0.3	0.7	8	30	D16
UMZ-1836-D16-G	1700	2400	0	9	85	10	-15	-98	1	8	12	28	D16
UMZ-250-D16-G	1710	1970	1	12	35	+7	-15	-107	1	10	5	26	D16
UMZ-1998-D16-G	1725	1880	0.5	11	16	2.5	-15	-107	1.5	1	5	30	D16
UMZ-1983-D16-G	1725	2325	1	11	60	2.5	-15	-98	2	2	5	28	D16
UMZ-223-A16-G	1730	1790	0.5	4.5	28	0	-18	-107	0.5	1	5	15	A16
RFVC-2036	1732	2032	0.5	7.5	70	5	-15	-103	1	4	8	30	D16
UMZ-743-A16-G	1740	3150	1	22	85	0	-15	-95	2	2	5	27	A16
UMZ-983-D16-G	1750	2000	2	12	28	0	-15	-110	0.5	1	8	29	D16
UMZ-520-A16-G	1750	2033	1	22	25	0	-20	-104	1.5	4	5	25	A16
UMZ-342-A16-G	1760	1810	0.5	4.5	36	+3	-20	-105	2	3	5	27	A16
UMZ-843-R16-G	1765	1845	0.5	4.5	31	+5	-25	-110	0.7	1.5	5	25	R16



# PRODUCTS

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMZ-1999-D16-G	1780	1950	0.5	11	18	2.5	-15	-107	1.5	1	5	30	D16
UMZ-877-R16-G	1785	1800	0.5	2.5	36	0	-20	-106	0.7	1	3	17	R16
UMZ-666-A16-G	1785	1900	0.5	4	50	+5	-20	-104	1	5	4.5	20	A16
UMZ-101-A16-G	1797	1847	0.5	4.5	25	+3	-20	-109	0.4	1	5	27	A16
UMZ-111-A16-G	1800	1890	0.5	2.5	75	+5	-25	-105	0.5	5	4.5	23	A16
UMZ-346-A16-G	1800	1900	0.5	4.5	40	0	-30	-107	0.7	0.5	5	27	A16
UMZ-914-D16-G	1800	2275	2.5	20	33	+5	-20	-105	2	1	4.7	26	D16
UMZ-455-A16-G	1822	1822	0.5	4.5	20	+3	-15	-106	0.4	5	5	27	A16
UMZ-740-A16-G	1824	2138	1	22	22	0	-20	-106	1	1	5	28	A16
UMZ-1391-D16-G	1831	2631	1	15	70	6	-15	-101	1	2	8	28	D16
UMZ-1773-R16-G	1835	2030	1.5	11	26.5	0	-15	-102	1	1.5	8	30	R16
UMZ-506-A16-G	1840	1960	2	10	25	+6	-20	-104	0.5	5	12	19	A16
UMZ-844-R16-G	1845	1925	0.5	4.5	30	+5	-20	-109	1	2	5	27	R16
UMZ-341-A16-G	1850	1940	0.5	4.5	36	+3	-20	-105	1	3	5	19	A16
UMZ-422-A16-G	1863	1927	0.5	4.5	40	+3	-20	-106	0.6	3	5	18	A16
UMZ-1642-A16-G	1874	2074	0.5	4.5	75	5	-20	-104	1	2	5	27	A16
UMZ-2000-D16-G	1875	2055	0.5	11	18	2.5	-15	-105	1.5	1	5	30	D16
UMZ-347-A16-G	1900	2000	0.5	4.5	40	0	-25	-107	1	1	5	25	A16
UMZ-1108-D16-G	1900	2500	0	15	45	0	-15	-102	1	2	10	29	D16
UMZ-667-A16-G	1910	2010	0.5	4	40	+5	-20	-105	1	2	4.5	26	A16
UMZ-288-A16-G	1920	1968	0.5	4.5	36	+3	-15	-107	0.7	0.5	5	26	A16
UMZ-606-A16-G	1940	1960	0.5	4.5	13	0	-20	-109	1	3	5	24	A16
UMZ-125-R16-G	1950	2350	0	9	60	+9	-15	-100	1.5	5	5	27	R16
UMZ-1726-R16-G	1950	2700	0	12	80	9	-20	-98	1.5	6	5	30	R16
UMZ-173-A16-G	1963	2027	0.5	4.5	36	+3	-20	-107	1	3	5	27	A16
UMZ-423-A16-G	1963	2027	0.5	4.5	40	+3	-20	-106	0.6	5	5	18	A16
UMZ-2002-D16-G	1970	2130	0.5	11	18	2.5	-15	-107	1.5	1	5	30	D16
UMZ-448-D16-G	1990	2380	0.5	15	44	+10.25	-12	-101	0.7	3	9	28	D16
UMZ-1675-D16-G	1999	2281	0.5	18	26	10	-18	-105	1	5	8	32	D16
UMZ-348-A16-G	2000	2100	0.5	4.5	40	0	-20	-107	1	1	5	27	A16
UMZ-840-D16-G	2000	2400	2	10	60	0	-15	-100	1.5	1.5	5	27	D16
UMZ-2003-D16-G	2000	2400	0.5	18	30	3.5	-19	-103	1	2	5	27	D16
UMZ-984-D16-G	2000	2500	2	12	60	0	-12	-100	1.5	1.5	8	28	D16
UMZ-1452-R16-G	2000	3000	1	14	80	0	-20	-97	2	2	5	28	R16
UMZ-1533-D16-G	2010	2485	0.5	18	33	7	-15	-105	1	3	8	30	D16
UMZ-289-A16-G	2014	2062	0.5	4.5	36	+3	-20	-105	2	1.5	5	27	A16
UMZ-521-A16-G	2033	2286	1	22	25	0	-20	-104	1.5	3	5	25	A16
UMZ-1342-D16-G	2039	2283	1	15	24	5	-15	-105	1	2	8	28	D16
UMZ-1635-D16-G	2050	2350	0.5	4.5	100	0	-15	-100	2	1	5	27	D16
UMZ-134-R16-G	2050	2750	0	9	85	+9	-20	-98	1.5	6	5	30	R16
UMZ-168-A16-G	2060	2128	0.5	4.5	36	+3	-25	-106	0.5	1	5	27	A16
UMZ-811-D16-G	2070	2620	0.5	9.5	85	+9.0	-20	-98	0.5	6	5	30	D16
UMZ-121-A16-G	2080	2132	0.5	4.5	26	+2.5	-20	-108	0.5	2	5	27	A16
UMZ-946-R16-G	2090	2178	0.5	4.5	36	+3	-20	-107	1	1	5	24	R16
UMZ-350-A16-G	2100	2200	0.5	4.5	36	0	-20	-106	1	1	5	26	A16
UMZ-169-A16-G	2108	2176	0.5	4.5	33	+3	-20	-107	1	1	5	27	A16
UMZ-736-D16-G	2120	2204	0.5	4.5	38	0	-15	-105	0.8	0.5	5	21	D16
UMZ-2083-R16-G	2120	2220	0.5	4.5	36	0	-15	-105	1	1	5	27	R16
UMZ-1585-D16-G	2120	2553	2	10	67	0	-15	-102	1	1	5	30	D16

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	K <sub>vco</sub> (MHz/V) typ.	P <sub>out</sub> (dBm) typ.	2nd Har (dBc) typ.	→ Noise (±10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMZ-1982-D16-G	2125	2725	1	11	64	2.5	-15	-97	2	2	5	28	D16
UMZ-1673-D16-G	2126	2267	0.5	18	13	0	-18	-106	1	1	8	28	D16
UMZ-1774-R16-G	2132	2223	1.5	11	14	0	-15	-107	1	1.5	8	30	R16
UMZ-741-A16-G	2137	2498	1	22	21	0	-15	-105	1	1	5	28	A16
UMZ-1891-D16-G	2142	2483	0.5	18	25	7	-15	-105	1.5	6	8	28	D16
UMZ-1966-R16-G	2150	2370	0.2	4.8	63	8	-15	-101	2	5	5	27	R16
UMZ-475-A16-G	2152.5	2152.5	0.5	4.5	20	+3	-20	-106	1	10	5	29	A16
UMZ-1244-D16-G	2155	2520	0	16	28	5	-14	-106	1	1.5	8	28	D16
UMZ-170-A16-G	2156	2224	0.5	4.5	36	+3	-25	-105	0.5	1	5	27	A16
UMZ-1889-D16-G	2170	2510	0.5	18	28	7	-15	-105	1.5	6	8	28	D16
UMZ-122-A16-G	2175	2250	0.5	4.5	28	+2.5	-20	-107	0.3	1	5	26	A16
RFVC-2005	2183	2633	0.5	20	40	7	-20	-103	1	5	10	28	R16
UMZ-421-A16-G	2190	2246	1	4	45	+3.5	-12	-105	0.5	2	5	26	A16
UMZ-351-A16-G	2200	2300	0.5	4.5	36	0	-20	-106	1	1	5	26	A16
UMZ-1420-D16-G	2200	2800	0	12	60	0	-15	-101	2	2	7	28	D16
UMZ-474-A16-G	2212	2280	0.5	4.5	36	+3	-20	-105	2	3	5	27	A16
UMZ-1772-R16-G	2219	2375	1.5	11	24	0	-15	-103	1	1.5	8	30	R16
UMZ-1958-R16-G	2240	2340	0.5	4.5	38	0	-15	-105	1	1	5	27	R16
UMZ-1676-D16-G	2250	2635	0.5	18	24	9	-18	-104	2	5	8	28	D16
UMZ-126-R16-G	2250	2650	0	9	60	+9	-18	-100	2	5	5	26	R16
UMZ-1558-D16-G	2250	2750	0.5	4.5	150	0	-15	-98	5	5	5	28	D16
UMZ-1519-R16-G	2250	2860	0	18	40	0	-15	-103	1	2	8	28	R16
UMZ-1674-D16-G	2251	2444	0.5	18	15	0	-18	-106	1	1	8	28	D16
UMZ-1338-D16-G	2269	2580	1	15	26	5	-15	-105	1	2	8	28	D16
UMZ-2001-D16-G	2275	2425	0.5	11	16	2.5	-15	-105	1.5	1	5	30	D16
UMZ-522-A16-G	2286	2572	1	22	25	0	-20	-102	1.5	3	5	22	A16
UMZ-355-A16-G	2300	2400	0.5	4.5	40	0	-20	-105	1	1	5	27	A16
UMZ-1964-R16-G	2300	2560	0.2	4.8	80	8	-15	-100	2	5	5	27	R16
UMZ-253-A16-G	2300	2800	1.5	12	85	+10	-15	-98	0.5	10	10	28	A16
UMZ-497-A16-G	2300	3100	1	14	90	+8	-20	-93	2	35	9	21	A16
UMZ-229-A16-G	2333	2333	0.5	4.5	16	+3	-25	-110	0.5	2	5	25	A16
UMZ-1939-R16-G	2350	2555	0.2	4.8	60	8	-15	-101	2	5	5	27	R16
UMZ-925-A16-G	2375	2375	0.5	4.5	16	+3	-25	-109	0.5	1	5	26	A16
RFVC-2024	2387.5	2500	0.5	7.5	24	5	-20	-109	1	1	8	30	D16
UMZ-569-A16-G	2390	2700	0.5	4.5	110	+6	-20	-100	0.5	3	5	25	A16
UMZ-357-A16-G	2400	2500	0.5	4.5	40	0	-20	-105	1	1	5	27	A16
UMZ-627-A16-G	2400	2500	0	3	65	0	-20	-100	2	3	3	20	A16
UMZ-841-D16-G	2400	2850	2	10	65	0	-15	-99	1.5	1	5	27	D16
UMZ-484-A16-G	2400	3000	1	12	70	+7	-15	-99	1	5	10	24	A16
UMZ-527-D16-G	2400	3400	1	15	85	+3	-20	-95	2	5	5	23	D16
UMZ-1959-R16-G	2430	2530	0.5	4.5	40	0	-15	-105	1	1	5	27	R16
RFVC-2001	2445	2885	0.5	18	38	7	-15	-103	1	5	8	28	D16
UMZ-590-A16-G	2450	2450	0.5	4.5	20	0	-20	-109	0.5	2	5	30	A16
UMZ-1978-D16-G	2450	3000	0	15	40	7	-15	-100	1	4	6	28	D16
UMZ-1054-R16-G	2450	3200	0	10	75	+9	-18	-96	1.5	3	5	27	R16
UMZ-1934-R16-G	2480	2720	0.2	4.5	60	8	-15	-102	2	5	5	27	R16
UMZ-1534-D16-G	2480	2960	0.5	18	33	7	-15	-103	1	3	8	30	D16
UMZ-283-D16-G	2500	2686	1	8	42	+6	-18	-103	0.5	5	5	28	D16
UMZ-985-D16-G	2500	3000	2	12	56	0	-15	-99	1.5	1.5	8	28	D16

# PRODUCTS

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMZ-112-A16-G	2500	3200	1	12	85	+8	-20	-94	1.5	35	10	23	A16
UMZ-296-D16-G	2500	3200	1	12	70	+8	-20	-98	1	5	10	25	D16
UMZ-1734-D16-G	2510	2950	0.5	18	35	7	-18	-103	1	5	8	28	D16
UMZ-1104-R16-G	2522	3288	0	11	85	0	-15	-97	1	1	10	29	R16
RFVC2055	2537.5	2662.5	0.5	5.5	38	0	-15	-103	1.2	2	8	29	A16
RFVC2059	2537.5	2662.5	0.5	4.5	45	0	-20	-102	1.5	2	8	28	D16
RFVC2061	2537.5	2662.5	0.5	4.5	50	0	-20	-100	1.5	2	5	28	D16
UMZ-316-A16-G	2540	2740	0.5	4.5	100	+8	-15	-100	1.2	2	5	25	A16
UMZ-1362-D16-G	2550	3060	0.5	22	38	+8	-12	-103	0.5	5	10	30	D16
UMZ-127-R16-G	2550	3100	0	9	90	+9	-20	-98	1.5	6	5	28	R16
UMZ-523-D16-G	2572	3145	1	15	50	0	-20	-98	5	5	5	18	D16
UMZ-1339-D16-G	2594	3026	1	15	36	5	-15	-103	1	2	8	28	D16
UMZ-1083-R16-G	2600	3200	0.2	13.8	55	0	-15	-99	2	2	8	27	R16
UMZ-742-A16-G	2647	3238	1	22	45	0	-15	-97	2.5	2	5	27	A16
UMZ-852-D16-G	2652	3218	3	16	55	0	-15	-98	3	2	5	24	D16
UMZ-1892-D16-G	2655	2750	0.5	4.5	33	8	-15	-100	1.5	4	4.75	25	D16
UMZ-501-D16-G	2665	2810	0.5	4.5	70	+7	-20	-101	1.5	5	5	27	D16
UMZ-906-R16-G	2675	3775	0.5	16	85	0	-15	-95	2	2	5	26	R16
RFVC-2025	2680	2720	0	5	18	3	-15	-105	2	1.5	5	27	D16
UMZ-1698-D16-G	2700	3200	1	8	85	3	-15	-97	3	5	8	30	D16
UMZ-1803-D16-G	2700	3400	0.5	12	65	0	-15	-97	2	2	8	28	D16
UMZ-2004-D16-G	2736	2862	0.5	8	22	5	-15	-105	1	2	5	27	D16
UMZ-480-A16-G	2740	2940	0.5	4.5	75	+8	-15	-100	1	6	5	27	A16
UMZ-1967-R16-G	2755	2956	0.2	4.8	58	8	-15	-101	2	5	5	27	R16
UMZ-1233-R16-G	2770	3060	0.5	22	33	+9	-12	-100	1	10	10	29	R16
UMZ-1243-D16-G	2772	3290	0	16	40	+5	-15	-103	1.3	1.5	8	29	D16
UMZ-1202-R16-G	2774	3284	1	12	53	+3	-20	-100	2	2	8	28	R16
RFVC-2007	2795	2805	1	4	19	0	-15	-108	0.5	0.5	5	30	R16
UMZ-2006-D16-G	2800	2970	0.5	5	62	5	-15	-102	1	2	5	28	D16
RFVC-2031	2800	3700	1	18	60	3	-15	-96	1.5	1	5	27	R16
RFVC-2008	2812	3063	1	16	30	0	-15	-102	1.5	1	8	30	R16
UMZ-1147-R16-G	2824	3552	1	12	78	+3	-15	-97	1.5	1	8	28	R16
UMZ-1562-A16-G	2840	3150	0.5	5.5	75	1	-18	-100	1	1	5	27	A16
UMZ-1886-R16-G	2844	3044	0.2	4.8	58	8	-15	-101	2	5	5	27	R16
UMZ-1913-R16-G	2844	3144	0.2	4.8	90	8.0	-15	-98	3	6	5	27	R16
UMZ-2058-D16-G	2850	3520	1	8	115	7	-15	-91	4	5	10	30	D16
UMZ-953-D16-G	2865	3100	0.5	4.5	90	+1	-20	-100	1	1	5	27	D16
UMZ-202-A16-G	2880	3120	0.5	4.5	85	+9	-20	-100	1	4	5	27	A16
RFVC-2042	2900	3400	0.25	4.75	150	6.5	-20	-96	5	5	5	30	A16
UMZ-1509-R16-G	2920	3020	0.5	4.5	36	0	-20	-100	1	1	5	28	R16
RFVC-2009	2935	3185	1	16	30	0	-15	-102	1.5	1	8	30	R16
UMZ-664-A16-G	2939	2959	0.5	4.5	30	+6	-20	-104	2	2	5	27	A16
UMZ-1868-D16-G	2944	3146	0.2	4.8	57	8	-15	-101	2	5	5	27	D16
UMZ-290-A16-G	2950	3020	0.5	4.5	33	+3	-20	-105	2	3	5	27	A16
UMZ-115-A16-G	2950	3355	2	10	75	+3	-20	-94	3	5	5	25	A16
UMZ-145-A16-G	2960	3032	0.5	4.5	33	+3	-20	-105	2	3	5	27	A16
UMZ-1348-D16-G	2962	3388	1	15	35	5	-15	-102	1.5	1.5	8	28	D16
UMZ-2055-D16-G	2970	3400	0.5	18	32	7	-15	-101	3	5	8	28	D16
UMZ-853-D16-G	2974	3274	0.5	4.5	95	+5	-15	-99	1	2	5	27	D16

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	K <sub>vco</sub> (MHz/V) typ.	P <sub>out</sub> (dBm) typ.	2nd Har (dBc) typ.	→ Noise (±10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMZ-845-D16-G	2975	3520	2	14	60	+4	-20	-98	2	2	5	27	D16
UMZ-411-D16-G	2980	3200	0.5	4.5	90	+5	-20	-102	0.5	3	5	27	D16
UMZ-986-D16-G	3000	3500	2	12	60	0	-15	-98	2	2	8	28	D16
UMZ-1453-R16-G	3000	4000	1	14	80	0	-20	-95	2.5	3	5	28	R16
UMZ-1679-A16-G	3000	3666	1	12	68	3	-15	-97	2	5	8	30	A16
RFVC-2052	3000	4000	0	20	60	0	-20	-100	2.5	3	8	32	R16
UMZ-146-A16-G	3010	3080	0.5	4.5	36	+3	-20	-104	2	3	5	27	A16
UMZ-291-A16-G	3050	3120	0.5	4.5	33	+3	-20	-105	1	3	5	25	A16
UMZ-147-A16-G	3060	3132	0.5	4.5	36	+3	-15	-103	2	1	5	27	A16
UMZ-370-A16-G	3100	3200	0.5	4.5	36	0	-20	-100	2.5	8	5	27	A16
UMZ-118-A16-G	3100	3332	2	10	45	+3	-20	-100	1.5	7	5	29	A16
UMZ-1389-D16-G	3100	3400	0.5	4.5	100	+5	-20	-99	2	2	5	27	D16
UMZ-1393-A16-G	3100	3600	0.25	4.75	150	+5	-20	-96	5	5	5	30	A16
UMZ-148-A16-G	3110	3180	0.5	4.5	33	+3	-15	-103	1.5	2	5	28	A16
UMZ-1508-R16-G	3120	3220	0.5	4.5	40	0	-15	-103	1	1	5	28	R16
UMZ-1960-R16-G	3130	3230	0.5	4.5	42	0	-15	-102	1.5	1	5	27	R16
UMZ-1876-R16-G	3144	3344	0.2	4.8	55	8	-15	-101	2	5	5	27	R16
UMZ-1968-R16-G	3150	3370	0.2	4.8	60	8	-15	-101	2	5	5	27	R16
RFVC2053	3150	3900	0.5	10	100	7.5	-20	-97	2.5	3	8	30	R16
UMZ-292-A16-G	3160	3205	0.5	4.5	30	+3	-20	-104	2	3	5	27	A16
UMZ-796-D16-G	3174	3275	0.5	4.5	36	+4	-15	-105	0.5	3	5	28	D16
UMZ-671-A16-G	3180	3710	1	12	56	0	-15	-98	2	1	5	27	A16
UMZ-659-A16-G	3190	3210	0.5	4.5	30	+6	-20	-104	2	2	5	27	A16
UMZ-371-A16-G	3200	3300	0.5	4.5	36	0	-20	-100	2.5	8	5	27	A16
UMZ-192-A16-G	3200	3400	0.5	4.5	75	0	-20	-100	1.5	1.5	5	27	A16
UMZ-1630-G16-G	3200	3600	0.5	14	36	0	-15	-101	1	2	7.5	55	G16
UMZ-1084-R16-G	3200	3800	0.2	13.8	52	0	-13	-97	2	2	8	30	R16
UMZ-378-A16-G	3210	3280	0.5	4.5	35	+3	-20	-103	1.5	2	5	28	A16
UMZ-1859-A16-G	3230	3580	1	16	30	0	-20	-98	2	1	4.5	28	A16
UMZ-1727-D16-G	3240	3900	1	12	68	0	-15	-97	3	3	8	30	D16
UMZ-1965-R16-G	3250	3500	0.2	4.8	70	8	-15	-100	2	5	5	27	R16
RFVC-2047	3253	3520	1	16	40	0	-15	-102	2	4	8	30	R16
UMZ-1141-R16-G	3260	3340	0.5	4.5	33	+4	-15	-103	2	2	5	27	R16
UMZ-1869-R16-G	3260	3460	0.2	4.8	55	9	-15	-100	2	7	5	27	R16
UMZ-1161-R16-G	3284	3804	1	12	56	+3	-15	-98	1	2	8	28	R16
UMZ-1475-D16-G	3300	4166	1	14	80	0	-20	-97	2.5	3	5	28	D16
UMZ-1624-R16-G	3300	4300	0.5	10.5	150	3	-15	-88	4	2	5	28	R16
UMZ-1660-D16-G	3300	3900	2	16.5	55	0	-15	-97	2	1	8	30	D16
RFVC-2030	3330	3800	1.5	13	58	3	-15	-99	2	1	8	28	D16
UMZ-117-A16-G	3340	3590	2	10	45	+3	-20	-100	2	5	5	26	A16
UMZ-1504-R16-G	3350	3450	0.5	4.5	36	0	-15	-103	1.5	1	5	27	R16
UMZ-452-A16-G	3350	3750	1	12	45	+3	-18	-99	1.5	2	5	26	A16
UMZ-2049-R16-G	3380	3500	0.5	4.5	41	0	-15	-102	1.5	1	5	28	R16
UMZ-203-A16-G	3400	3400	0.5	4.5	35	0	-15	-100	2	3.5	5	27	A16
UMZ-655-A16-G	3400	3600	0.5	4.5	75	0	-20	-100	2	5	5	27	A16
UMZ-1855-R16-G	3400	3600	0.2	4.8	65	8	-15	-100	2	5	5	27	R16
RFVC-2010	3400	4150	1	12	56	0	-15	-95	3	4	5	28	A16
RFVC-2048	3416	3684	1	16	40	0	-15	-102	2	4	8	30	R16
UMZ-1235-I12-G	3420	3420	0	3	24	0	-15	-95	2	2	3	20	I12

# PRODUCTS

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz,dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz,p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
RFVC-2019	3437	3563	1	14	14	5	-15	-101	0.5	1	8	29	D16
UMZ-1969-R16-G	3450	3670	0.2	4.8	65	8	-15	-100	2	5	5	27	R16
UMZ-1961-R16-G	3500	3600	0.5	4.5	38	0	-15	-102	1.5	1	5	27	R16
UMZ-987-D16-G	3500	4000	2	12	58	0	-15	-97	1.5	2	8	28	D16
UMZ-607-D16-G	3500	4200	2	15	70	0	-18	-96	2	3	5	27	D16
RFVC-2049	3520	3720	1	16	22	0	-15	-102	2	4	8	30	R16
UMZ-1896-D16-G	3540	3960	0	14	38	0	-15	-99	2	2	7	30	D16
UMZ-871-D16-G	3541.5	3541.5	0.5	5	35	0	-15	-103	1.5	1	5	30	D16
UMZ-2017-D16-G	3545	4045	1	15	47	0	-18	-100	2	3	5	27	D16
UMZ-427-A16-G	3550	3630	0.5	5	35	+5	-17	-102	1.5	1	5	30	A16
UMZ-295-A16-G	3550	3950	1	11	56	0	-18	-95	2.5	1	5	27	A16
UMZ-1631-G16-G	3550	3950	0.5	14	33	0	-15	-101	1	2	7.5	55	G16
UMZ-1589-D16-G	3550	4360	0	18	52	3	-15	-96	4	1	8	30	D16
UMZ-216-A16-G	3600	3600	4	8	36	+14	-20	-96	3	1	5	51	A16
UMZ-1402-D16-G	3600	3600	0.5	4.5	35	0	-15	-100	2	2	5	25	D16
UMZ-1856-R16-G	3600	3800	0.2	4.8	70	8	-15	-100	2	5	5	27	R16
UMZ-1875-R16-G	3600	4400	2	13	80	3	-20	-98	4	4	8	30	R16
UMZ-2027-R16-G	3610	3760	0.5	4.5	60	0	-15	-101	1.5	1	5	27	R16
UMZ-1242-D16-G	3619	3707	0	16	10	5	-15	-104	1	0.5	8	29	D16
UMZ-1341-D16-G	3619	3711	1	15	10	5	-15	-104	1	2	8	28	D16
UMZ-628-A16-G	3620	3775	0.5	4.5	54	0	-15	-95	3	7	5	29	A16
UMZ-1740-D16-G	3680	4200	1	12	55	0	-15	-98	1	1	8	28	D16
UMZ-2063-R16-G	3680	4390	0.5	20	36	6.5	-15	-98	2	2	5	28	R16
RFVC-2050	3683	3884	1	16	18	0	-15	-102	2	4	8	30	R16
UMZ-281-A16-G	3700	3700	0.5	5	50	+3	-15	-102	2	2	5	28	A16
UMZ-1412-D16-G	3700	4225	0	16	35	3	-15	-99	2	2	8	58	D16
UMZ-1575-G16-G	3745	4055	0.5	14	31	0	-15	-100	1	0.6	7.5	58	G16
UMZ-623-A16-G	3750	4175	2	10	80	0	-15	-88	1.5	3	10	22	A16
RFVC-2012	3750	4258	2	12	60	3	-15	-98	1	3	8	28	D16
UMZ-307-A16-G	3775	3900	0.5	4.5	50	0	-20	-100	1.5	1	5	27	A16
UMZ-1769-A16-G	3790	4300	1	11	57	0	-15	-98	2	2	8	30	A16
UMZ-1162-R16-G	3804	4324	1	12	56	+3	-15	-98	1	2	8	28	R16
UMZ-2028-R16-G	3860	3980	0.5	4.5	58	0	-15	-100	1.5	1	5	27	R16
UMZ-1289-D16-G	3900	4500	0.5	12	60	2.5	-15	-98	2	4	8	28	D16
UMZ-354-A16-G	3930	4200	1	11	45	0	-15	-98	2	1	5	27	A16
UMZ-262-A16-G	3980	4020	0.5	4.5	40	0	-20	-100	3	10	5	26	A16
RFVC-2027	4000	4600	0.5	18	50	0	-15	-97	3	3	5	28	D16
UMZ-1241-D16-G	4124	4238	0	16	22	5	-18	-101	1	1	8	28	D16
UMZ-1576-G16-G	4095	4405	0.5	14	30	0	-15	-100	1	0.3	7.5	58	G16
UMZ-1741-D16-G	4100	4650	1	12	55	0	-15	-98	2	1	8	28	D16
RFVC-2011	4150	4900	1	12	60	0	-15	-95	3	3	5	28	A16
UMZ-1637-D16-G	4200	4400	0.5	5	80	0	-15	-95	2	0.6	5	30	D16
UMZ-1979-D16-G	4236	4356	1	4	45	0	-15	-100	2	2	5	28	D16
UMZ-1345-D16-G	4267	4442	1	15	15	5	-15	-99	1	2	8	30	D16
UMZ-1263-D16-G	4276	4451	0	16	20	5	-18	-100	1	1	8	28	D16
UMZ-1138-D16-G	4340	5065	0.2	7	155	0	-15	-88	4	2	5	27	D16
UMZ-1590-D16-G	4350	4700	0	18	27	3	-15	-101	1	1	8	58	D16
UMZ-1501-G16-G	4395	4665	0.5	14	25	0	-20	-100	1	2	7.5	50	G16
RFVC-2032	4400	4600	1.5	11	30	0	-20	-95	3	2	5	25	A16

<i>Model Number</i>	<i>Min Freq (MHz)</i>	<i>Max Freq (MHz)</i>	<i>Min Tune (Vdc)</i>	<i>Max Tune (Vdc)</i>	<i>K<sub>vco</sub> (MHz/V) typ.</i>	<i>P<sub>out</sub> (dBm) typ.</i>	<i>2nd Har (dBc) typ.</i>	<i>→ Noise (±10kHz, dBc) typ.</i>	<i>Pushing (MHz/V) typ.</i>	<i>Pulling (MHz, p-p) typ.</i>	<i>Supply (Vdc) typ.</i>	<i>Current (mA) typ.</i>	<i>Case Outline</i>
RFVC2054	4400	4760	0.2	4.75	120	0	-15	-90	2.5	1.5	5	28	D16
UMZ-875-D16-G	4400	5000	0.2	6	155	0	-15	-88	2.5	1.5	5	28	D16
UMZ-1944-D16-G	4400	5075	0	18	50	3	-20	-96	4	1	8	58	D16
UMZ-1326-D16-G	4400	5225	0	18	50	3	-20	-96	4	1	8	58	D16
UMZ-1659-D16-G	4400	5000	0	16.5	3	3	-20	-97	4	1	8	58	D16
RFVC-2043	4400	5075	0	18	50	3	-20	-96	4	1	8	58	D16
UMZ-353-A16-G	4420	4620	1.5	11	30	0	-20	-95	3	2	5	25	A16
RFVC-2033	4450	4650	1.5	11	30	0	-20	-95	3	2	5	25	A16
UMZ-2092-D16-G	4450	5350	0	9.5	140	3	-15	-88	2.5	2.5	5	28	D16
UMZ-1570-D16-G	4460	4615	0.5	4.5	60	0	-18	-98	1	0.1	5	55	D16
UMZ-1893-D16-G	4460	4900	0.5	9	70	7	-15	-93	2	5	10	28	D16
RFVC-2034	4500	4700	1.5	11	30	0	-20	-95	3	2	5	25	A16
UMZ-2005-D16-G	4529	4782	0.5	12	28	5	-15	-95	2	4	5	27	D16
UMZ-1866-D16-G	4550	5150	1	15	50	3	-15	-96	4	1	8	58	D16
UMZ-1945-D16-G	4550	5225	0	18	50	3	-20	-96	4	1	8	58	D16
RFVC-2044	4550	5225	0	18	50	3	-20	-96	4	1	8	58	D16
UMZ-822-D16-G	4600	5300	0.2	8	125	0	-15	-89	2	3	5	27	D16
RFVC-2035	4650	4850	1.5	11	30	0	-20	-93	3	2	5	25	A16
UMZ-1517-G16-G	4703	4879	0.5	14	23	0	-20	-100	1	0.5	7.5	50	G16
UMZ-1625-R16-G	4800	5600	0.5	10.5	180	3	-15	-87	4	2	5	28	R16
UMZ-189-A16-G	4850	4950	2	8	30	+3	-20	-95	1	4	8	24	A16
UMZ-837-D16-G	4850	4950	0.5	4.5	50	+3	-18	-95	2	2	8	24	D16
UMZ-1702-D16-G	4875	5250	0	15	29	0	-20	-98	2	2	8	58	D16
UMZ-1502-G16-G	4896	5230	0.5	14	31	0	-20	-99	1	2	7.5	58	G16
UMZ-1885-D16-G	4900	5340	0.5	9	63	7	-15	-93	2	5	10	28	D16
UMZ-1867-D16-G	5000	5600	1	15	55	3	-15	-94	4	2	8	58	D16
UMZ-1327-D16-G	5000	5810	0	15	65	0	-15	-91	4	8	8	28	D16
RFVC-2045	5000	5810	0	18	60	3	-15	-94	2	1.5	8	58	D16
UMZ-1276-D16-G	5050	5150	0.5	4.5	45	3	-15	-95	2	2	6.5	30	D16

# RFVC-4000-5999 (UMX)

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz,dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz,p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMX-1878-D16-G	386	456	0.3	4.7	19	-4	-15	-118	0.1	0.05	5	40	D16
UMX-1118-D16-G	391	455.6	0.3	4.7	16.5	-4	-10	-120	0.2	0.2	5	45	D16
RFVC-4128	400	400	1.5	3.5	1.2	8	-35	-136	0.05	0.05	6.5	42	B14
UMX-1688-D16-G	422	455	0.1	4.9	8.5	-4	-15	-122	0.2	0.05	5	35	D16
UMX-1790-D16-G	430	495	0.3	4.7	18	-4	-15	-119	0.3	0.1	5	40	D16
UMX-1117-D16-G	444.5	509	0.3	4.7	16.5	+7	-10	-120	0.2	0.2	5	45	D16
UMX-1879-D16-G	450	520	0.3	4.7	19	-4	-15	-118	0.1	0.05	5	40	D16
UMX-1689-D16-G	455	479	0.1	4.9	7	-4	-15	-123	0.2	0.05	5	35	D16
UMX-1119-D16-G	455.6	520	0.3	4.7	16.5	+7	-10	-120	0.2	0.2	5	45	D16
UMX-1796-D16-G	500	520	0.5	4.5	6.6	5	-15	-125	0.1	0.1	5	50	D16
UMX-1690-D16-G	516	548	0.1	4.9	10	-4	-15	-122	0.2	0.05	5	35	D16
UMX-1894-D16-G	537.5	537.5	0.5	4.5	1	7	-9	-132	0.05	0.05	5	52	D16
UMX-1797-D16-G	540	560	0.5	4.5	7	5	-15	-125	0.1	0.1	5	50	D16
UMX-1691-D16-G	548	575	0.1	4.9	8	-4	-15	-122	0.2	0.05	5	35	D16
UMX-1100-R16-G	580	580	0.5	4.5	1	+4	-15	-133	0.05	0.05	5	50	R16
UMX-2037-D16-G	599	601	0.5	4.5	2	2	-15	-127	0.1	0.05	5	50	D16
UMX-1929-D16-G	600	630	0.5	4.5	11	4	-15	-122	0.1	0.05	5	55	D16
UMX-1930-D16-G	637.5	667.5	0.5	4.5	10.5	4	-15	-122	0.1	0.05	5	55	D16
RFVC4169	640	640	0.5	4.5	2	6	-13	-128	0.05	0.05	5	50	D16
UMX-964-D16-G	660	700	0.5	4.5	12	+6	-10	-120	0.1	0.2	5	50	D16
UMX-1595-B14-G	666	668	1	9	2	7	-15	-127	0.1	0.3	8	28	B14
UMX-1857-D16-G	666.66	666.66	0.5	4.5	1.8	6	-15	-130	0.05	0.05	5	50	D16
UMX-1136-D16-G	680	680	0.5	4.5	1.8	6	-15	-130	0.1	0.1	5	50	D16
UMX-1980-D16-G	695	705	0.5	4.5	6.5	2	-15	-125	0.1	0.05	5	50	D16
UMX-612-B14-G	700	720	1	12	2.5	+7	-20	-127	0.1	0.5	8	28	B14
UMX-2038-D16-G	709	711	0.5	4.5	4	2	-15	-127	0.1	0.05	5	50	D16
UMX-272-B14-G	735	735	1	9	2.5	+7	-17	-127	0.1	0.3	8	29	B14
UMX-2076-D16-G	740	760	1	7	5	5	-15	-127	0.5	0.5	7	50	D16
UMX-965-D16-G	740	780	0.5	4.5	12	+5	-10	-120	0.2	0.1	5	49	D16
UMX-1134-D16-G	770	770	0.5	4.5	1.8	6	-15	-130	0.1	0.1	5	50	D16
UMX-1095-D16-G	786	806	0.3	4.7	6.5	-6	-14	-125	0.05	0.01	5	35	D16
UMX-610-B14-G	787	808	1	12	2.5	+7	-20	-125	0.1	0.5	8	28	B14
UMX-1299-D16-G	795	805	0.5	4.5	4	4	-12	-125	0.05	0.1	5	50	D16
RFVC-4030	800	800	0.5	4.5	2.7	4	-12	-130	0.05	0.01	5	52	D16
UMX-1419-D16-G	805	825	0.5	4.5	6.5	-4	-12	-125	0.05	0.05	5	40	D16
UMX-611-B14-G	806	829	1	12	2.5	+7	-20	-125	0.1	0.5	8	29	B14
UMX-870-D16-G	818	847	3	12	6	+6	-15	-120	0.1	0.3	7	30	D16
UMX-2078-D16-G	818	847	3	16	5.5	6	-17	-120	0.1	0.3	7	30	D16
UMX-1094-D16-G	826	841	0.3	4.7	5	-6	-14	-126	0.1	0.05	5	35	D16
UMX-274-B14-G	832	832	1	9	2.5	+7	-15	-125	0.1	0.3	8	29	B14
UMX-1137-D16-G	840	840	0.5	4.5	2	6	-15	-130	0.1	0.1	5	50	D16
UMX-1415-D16-G	840	950	0	12	9.5	5	-15	-119	0.5	0.5	5	25	D16
UMX-892-D16-G	850	850	0.5	4.5	2.5	+4	-10	-131	0.1	0.05	5	48	D16
UMX-1400-D16-G	850	850	0.5	4.5	1	4	-14	-128	0.05	0.06	8	28	D16
RFVC-4027	850	870	0.5	4.5	9.5	0	-12	-122	0.05	0.05	5	17	D16
UMX-966-D16-G	860	900	0.5	4.5	12	+5	-15	-120	0.2	0.1	5	48	D16

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (±10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMX-1229-D16-G	863	883	0.3	4.7	6.5	-6	-14	-125	0.5	0.1	5	35	D16
UMX-1648-D16-G	865	880	0.5	10	4	5	-15	-125	0.1	0.1	8	28	D16
UMX-1981-D16-G	890	900	0.5	4.5	4.5	2	-15	-125	0.1	0.2	5	28	D16
RFVC4199	890	960	2.5	9	15	0	-15	-114	0.2	0.2	5	28	D16
RFVC4025	900	900	0.5	4.5	4.5	6	-15	-125	0.1	0.3	6	28	D16
UMX-673-D16-G	902	922	0.5	10	4	+5	-15	-125	0.1	0.1	8	26	D16
UMX-1401-D16-G	920	920	0.5	4.5	1	4	-13	-128	0.05	0.05	8	28	D16
UMX-656-B14-G	920	950	2	12	3.3	+7	-20	-127	0.1	0.5	8	27	B14
UMX-1616-B14-G	925	925	0.5	4.5	1.5	6	-20	-127	0.1	0.2	8	40	B14
UMX-1135-D16-G	930	930	0.5	4.5	2	6	-15	-130	0.1	0.1	5	50	D16
UMX-878-D16-G	933.12	933.12	0.5	4.5	4	0	-12	-125	0.05	0.1	5	28	D16
UMX-273-B14-G	940	958	1	9	3.3	+6	-20	-127	0.1	0.3	8	28	B14
UMX-1763-D16-G	940	958	1	9	3.5	6	-15	-125	0.1	0.3	8	28	D16
UMX-747-D16-G	945	970	0.5	4.5	10	+4	-20	-125	0.1	0.5	5	27	D16
UMX-657-B14-G	950	950	2	10	2	+7	-20	-131	0.05	0.2	8	27	B14
UMX-893-D16-G	950	950	0.5	4.5	2	+4	-11	-130	0.1	0.2	5	50	D16
UMX-276-B14-G	950	982	0	12	3	+6	-20	-127	0.2	0.3	8	29	B14
UMX-1421-D16-G	960	960	0	9	0.6	4	-15	-130	0.05	0.05	5	48	D16
UMX-1737-D16-G	960	960	0.5	4.5	1.8	4	-15	-130	0.1	0.5	5	52	D16
UMX-2012-D16-G	960	960	1	9	1	7	-15	-125	0.1	1	10	15	D16
UMX-2039-D16-G	969	971	0.5	4.5	3.5	2	-15	-127	0.1	0.05	5	50	D16
UMX-1036-D16-G	976	984	1	11	5.5	+4	-12	-120	0.1		5	43	D16
UMX-277-B14-G	982	1015	0	12	3.6	+6	-20	-127	0.1	0.3	8	29	B14
RFVC4020	982	1015	0	12	3.6	6	-20	-127	0.1	0.3	8	29	B14
UMX-1152-D16-G	982	1032	0.5	4.8	15	6	-15	-118	0.2	0.5	5	28	D16
UMX-235-B14-G	1000	1000	0.5	4.5	1	+7	-20	-130	0.1	0.3	8	33	B14
UMX-244-B14-G	1000	1000	0.5	4.5	2.5	+7	-20	-133	0.1	0.5	8	25	B14
UMX-859-D16-G	1000	1000	1	4	2.6	0	-12	-126	0.1	0.1	5	26	D16
RFVC4088	1000	1000	0.5	4.5	2.6	5	-20	-126	0.1	0.1	8	30	D16
UMX-278-B14-G	1015	1055	0	12	4	+6	-20	-125	0.2	0.3	8	29	B14
UMX-1336-D16-G	1024	1024	0.5	3	3	0	-15	-125	0.1	1	5	30	D16
RFVC4031	1030	1030	1	8	1.5	7	-15	-130	0.1	0.5	8	28	D16
UMX-440-B14-G	1040	1040	0.5	4.5	2	+8	-20	-130	0.1	0.5	8	29	B14
UMX-1035-D16-G	1045	1055	1	11	3	4	-13	-125	0.1		5	42	D16
UMX-433-B14-G	1050	1050	1	8	2	+8	-20	-130	0.1	0.5	8	29	B14
UMX-1378-D16-G	1073.742	1073.742	0.5	4.5	3	2	-15	-125	0.1	0.5	5	28	D16
UMX-207-D16-G	1080	1080	0.5	4.5	4	0	-15	-125	0.2	1	5	27	D16
RFVC4090	1080	1080	0	12	1	5	-15	-125	1	0.2	8	30	D16
UMX-1390-D16-G	1095	1095	0.5	4.5	4	0	-15	-125	0.2	1	5	27	D16
UMX-434-B14-G	1100	1100	1	8	2	+8	-20	-130	0.1	0.5	8	29	B14
UMX-1482-D16-G	1100	1100	0	9	1.5	3	-20	-125	0.1	0.5	8	30	D16
RFVC4164F	1100	1100	0.5	4.5	4	3	-15	-123	0.2	1	8	30	D16
RFVC4055	1110	1180	0.5	4.5	21	2	-15	-119	0.2	0.2	5	27	D16
UMX-1196-D16-G	1100	1308	0	13	21	0	-15	-115	0.1	0.1	8	28	D16
UMX-1636-D16-G	1110	1160	0.5	4.5	15	2	-15	-120	0	0.5	5	27	D16
UMX-750-D16-G	1130	1130	4	12	2	0	-18	-126	0.1	1	5	27	D16
UMX-1917-D16-G	1140	1380	1	12	26	0	-15	-115	0.5	0.5	8	30	D16
UMX-1065-D16-G	1150	1150	1	11	1.5	0	-16	-128	0.1	0.05	5	50	D16
UMX-435-B14-G	1150	1150	1	8	2	+8	-20	-130	0.1	0.5	8	29	B14



# PRODUCTS

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	$K_{vco}$ (MHz/V) typ.	$P_{out}$ (dBm) typ.	2nd Har (dBc) typ.	→ Noise (10kHz,dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz,p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
UMX-1105-R16-G	1154	1264	0	11	11	+1	-20	-117	0.5	0.5	10	23	R16
UMX-801-D16-G	1154	1264	0	11	11	0	-15	-120	0.1	0.2	5	27	D16
UMX-642-D16-G	1155	1155	0.5	4.5	6	+4	-20	-124	0.1	0.2	5	27	D16
UMX-640-D16-G	1176	1176	0.5	4.5	3.5	+5	-15	-125	0.1	0.2	5	26	D16
UMX-1168-D16-G	1190	1250	0.5	4.5	18	0	-15	-118	0.1	0.5	5	30	D16
UMX-436-B14-G	1200	1200	1	8	2	+8	-20	-127	0.1	0.5	8	29	B14
UMX-518-D16-G	1200	1200	0.5	4.5	3	+7	-20	-123	0.2	0.5	5	23	D16
UMX-872-B14-G	1200	1200				+7	-15	-130	0.05	0.5	8	28	B14
UMX-1483-D16-G	1200	1200	0	9	1.1	3	-20	-125	0.1	0.2	8	30	D16
RFVC4188	1200	1200	0.5	4.5	3	8	-20	-125	1	0.2	8	29	D16
UMX-1484-D16-G	1220	1220	0	9	1.1	3	-15	-125	0.1	0.5	8	30	D16
UMX-1248-D16-G	1220	1320	2	10	15	3	-15	-115	0.1	0.5	8	27	D16
UMX-1864-D16-G	1225	1225	0.5	4.5	3.5	7	-15	-123	0.2	0.5	5	23	D16
UMX-1719-D16-G	1229	1231	0.5	4.5	6	3	-15	-123	0.1	0.2	5	27	D16
UMX-1443-D16-G	1240	1340	1	18	9	6	-15	-119	0.1	0.5	5	28	D16
UMX-1072-D16-G	1244	1314	0.5	4.8	23	+6	-15	-118	0.2	0.5	5	23	D16
UMX-621-D16-G	1248	1248	0.5	4.5	3.5	+7	-20	-125	0.1	1	5	24	D16
UMX-1224-D16-G	1260	1260	0.5	8	2	0	-15	-125	0.1	1	8	28	D16
UMX-1903-D16-G	1260	1260	0.5	4.5	2.5	8	-15	-125	0.1	0.2	6.5	28	D16
UMX-2077-D16-G	1272	1288	0.5	4.5	6	6	-17	-123	0.1	0.5	7	25	D16
UMX-363-D16-G	1276	1276	2	13	5	+10	-15	-120	0.5	1	5	26	D16
UMX-1146-R16-G	1278	1413	1	12	14	3	-15	-117	0.5	0.5	8	23	R16
UMX-1066-D16-G	1280	1280	1	11	1.5	0	-12	-128	0.1	0.1	5	50	D16
UMX-931-D16-G	1280	1280	1	4.5	5	+6	-20	-125	0.1	0.2	7	28	D16
UMX-695-D16-G	1280	1290	0.5	4.5	5	0	-20	-125	0.1	0.5	8	30	D16
UMX-809-D16-G	1280	1360	0.5	9.5	11	+6	-14	-120	0.3	0.5	5	28	D16
UMX-1662-D16-G	1280	1280	0	9	1.4	2	-15	-125	0.1	0.5	8	29	D16
UMX-1070-D16-G	1282	1376	0.5	4.8	28	+6	-16	-117	0.2	0.5	5	22	D16
UMX-1440-D16-G	1290	1290	0.5	4.5	2.5	0	-14	-125	0.05	0.04	8	28	D16
UMX-1441-D16-G	1300	1300	0.5	4.5	2.6	0	-15	-125	0.05	0.05	8	29	D16
UMX-1195-D16-G	1308	1556	0	13	22	0	-14	-115	0.2	0.2	8	28	D16
UMX-413-D16-G	1310	1334	1	4	8	0	-15	-120	0.1	1	5	28	D16
RFVC4162	1315	1325	1	5	7.8	8	-15	-120	0.1	0.2	8	30	D16
UMX-1665-D16-G	1320	1550	1	15	22	0	-15	-113	0.2	0.2	8	30	D16
UMX-1255-D16-G	1325	1325	0.5	4.5	4	8	-15	-125	0.1	1	8	28	D16
UMX-1954-D16-G	1333	1333	0.5	4.5	5	4	-15	-125	0.1	0.5	8	30	D16
UMX-860-D16-G	1337.5	1337.5	1	4	3.1	0	-12	-126	0.1	0.1	5	28	D16
UMX-1527-D16-G	1350	1350	0.5	4.5	4	8	-15	-125	0.1	0.1	8	30	D16
UMX-1256-D16-G	1360	1360	0.5	4.5	4	8	-15	-125	0.1	1	8	28	D16
UMX-692-D16-G	1365	1375	0.5	4.5	5	0	-20	-125	0.1	0.5	8	30	D16
RFVC4189	1374	1479	0.5	4.5	40	7	-15	-112	0.3	1	6	27	D16
UMX-1069-D16-G	1377	1444	0.5	4.8	20	+6	-12	-118	0.1	0.5	5	22	D16
UMX-643-D16-G	1377	1444	0.5	9.5	11	+6.0	-15	-120	0.1	0.5	5	27	D16
UMX-1549-D16-G	1380	1380	0.5	4.5	2.2	0	-15	-125	0.1	0.2	5	25	D16
UMX-1476-D16-G	1380	1700	2	12	40	0	-15	-112	0.5	1	5	27	D16
UMX-818-D16-G	1390	1410	0.5	4.5	7.5	0	-15	-123	0.1	0.2	5	27	D16
UMX-861-D16-G	1400	1400	1	4	3.5	0	-20	-127	0.1	0.5	5	25	D16
UMX-1357-D16-G	1400	1400	1	8	1	0	-15	-125	0.1	1	8	30	D16
UMX-706-D16-G	1410	1410	0.5	4.5	6	+7	-15	-122	0.4	0.5	8	29	D16

Model Number	Min Freq (MHz)	Max Freq (MHz)	Min Tune (Vdc)	Max Tune (Vdc)	K <sub>vco</sub> (MHz/V) typ.	P <sub>out</sub> (dBm) typ.	2nd Har (dBc) typ.	→ Noise (±10kHz, dBc) typ.	Pushing (MHz/V) typ.	Pulling (MHz, p-p) typ.	Supply (Vdc) typ.	Current (mA) typ.	Case Outline
RFVC-4049	1410	1470	1	11	10	6	-15	-120	0.2	0.5	8	28	D16
RFVC-4058	1410	1510	1	11	13	3	-15	-118	0.2	0.5	8	28	D16
UMX-1602-D16-G	1420	1420	0.5	4.5	3.5	4	-15	-125	0.1	0.5	5	27	D16
UMX-535-D16-G	1428	1547	0.5	4.5	45	+6	-15	-112	0.3	2	6	26	D16
UMX-707-D16-G	1443	1523	1	11	9	+2	-15	-118	0.1	0.5	11.5	28	D16
UMX-472-D16-G	1445	1800	0.25	4.75	90	+10	-20	-103	1	1	5	21	D16
UMX-930-D16-G	1445	1800	0.25	4.75	100	+10	-15	-104	1.2	8	5	27	D16
UMX-2060-D16-G	1445	1820	2	20	28	4	-15	-110	1	2	5	28	D16
UMX-1871-D16-G	1448.5	1448.5	1	11	2	5	-15	-127	0.1	0.5	8	30	D16
UMX-519-D16-G	1450	1500	0.5	4.5	19	+7	-15	-115	0.2	2	5	27	D16
UMX-1649-D16-G	1454	1581	0.25	4.5	37	8	-25	-113	0.5	2	6	26	D16
UMX-821-D16-G	1455	1550	2	10	15	+7	-15	-117	0.1		8	28	D16
UMX-616-D16-G	1456	1456	0.5	4.5	6	+7	-15	-122	0.4	0.5	8	29	D16
UMX-2054-D16-G	1458	1462	0.5	4.5	3	7	-15	-126	0.5	1	8	28	D16
UMX-1937-D16-G	1460	1550	0.1	16	9	5	-12	-118	0.2	1	8	30	D16
UMX-862-D16-G	1462	1462	1	4	3	0	-13	-126	0.1	0.1	5	27	D16
UMX-1096-D16-G	1469.25	1469.25	1	11	2	+4	-15	-125	0.1	1	5	27	D16
UMX-1577-D16-G	1470	1615	0	18	13	7	-15	-118	0.2	1	8	28	D16
UMX-1206-D16-G	1472	1540	0.5	4.5	22	7	-15	-115	0.2	3	5	30	D16
UMX-1438-D16-G	1472	1740	0	18	20	0	-15	-113	0.1	0.4	8	28	D16
RFVC-4101	1474.56	1474.56	0.5	4.5	5	4	-15	-123	0.5	0.1	5	28	D16
RFVC-4032	1490	1490	0.5	4.5	2	7	-15	-125	0.1	0.5	8	28	D16
UMX-1888-D16-G	1498	1502	0.5	4.5	5	7	-15	-125	0.1	0.5	8	28	D16
UMX-863-D16-G	1500	1500	1	4	4	0	-13	-125	0.1	0.1	5	27	D16
UMX-1111-D16-G	1500	1540	2	12	6	+3	-15	-125	0.1	0.5	8	27	D16
UMX-2080-D16-G	1500	2000	0	20	30	0	-15	-110	1	1	8	30	D16
UMX-1715-D16-G	1512	2000	1	15	42	7	-15	-110	1	2	8	30	D16
UMX-996-D16-G	1515	1575	0.5	4.5	20	+7	-15	-115	0.1	1	5	27	D16
UMX-708-D16-G	1516	1601	1	11	10	+2	-15	-118	0.1	0.5	11.5	28	D16
UMX-1845-D16-G	1520	1520	0.5	4.5	4	8	-15	-125	0.1	0.2	6.5	29	D16
RFVC4191	1520	1520	0.5	5	2.5	3	-15	-123	0.1	0.2	5	27	D16
UMX-864-D16-G	1525	1525	1	4	4	0	-13	-126	0.1	0.1	5	26	D16
RFVC-4105	1534	1632.5	0.5	5.5	30	5	-15	-115	1	1	5	27	D16
RFVC-4066	1534	1654	0.5	5.5	42	5	-15	-113	1	1.2	8	30	D16
UMX-1704-D16-G	1536	1536	0.5	4.5	2.4	7	-15	-126	0.1	2	5	26	D16
RFVC-4119	1540	1540	1	8	2.3	2	-15	-125	0.1	0.1	8	29	D16
UMX-1666-D16-G	1545	1830	1	15	28	0	-15	-112	0.2	0.4	8	30	D16
UMX-1207-D16-G	1548	1616	0.5	4.5	22	7	-15	-115	0.2	3	5	30	D16
UMX-1358-D16-G	1550	1550	1	8	1	0	-15	-125	0.1	1	8	30	D16
UMX-1931-D16-G	1550	1560	0.5	4.5	5.8	7	-15	-122	0.1	1	5	28	D16
UMX-471-D16-G	1550	1675	0.5	4.5	50	+7	-15	-112	0.5	1	6	26	D16
RFVC4165	1550	1750	1	12	24	7	-15	-112	0.5	5	8	28	D16
UMX-1399-R16-G	1550	2050	0	16	38	-2.5	-12	-106	0.1	0.2	8	29	R16
RFVC-4106	1555	1653.5	0.5	5.5	30	5	30	-115	1	1	5	27	D16
UMX-1194-D16-G	1556	1850	0	13	29	0	-13	-110	0.1	0.2	8	29	D16
RFVC-4141	1564	1864	0	5	70	5	-15	-108	1	1	8	30	D16
UMX-487-D16-G	1570	1630	0.5	4.5	20	+7	-15	-115	0.2	1	5	25	D16
UMX-1068-D16-G	1574	1674	0.5	4.8	30	+6	-15	-115	0.3	0.5	5	27	D16
UMX-792-D16-G	1574	1674	1	12	11	+6	-15	-117	0.3	0.3	5	27	D16