



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!



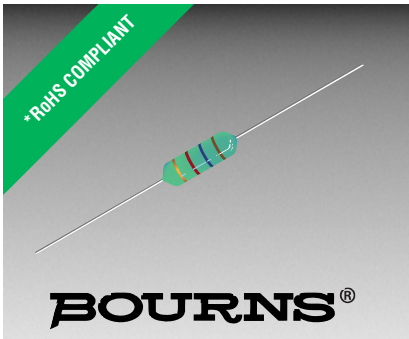
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Features

- Formerly J. W. Miller® model
- Current rating up to 920 mA
- Inductance range: 1.0 μ H to 1,000 μ H
- RoHS compliant*

Applications

- DC/DC converters
- Power supplies
- General use

77F Series Conformal Coated RF Choke

Electrical Specifications (@ 25 °C)

Bourns Part No.	Inductance		Q Min.	Test Frequency (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	Idc (mA)
	(μ H)	Tol. (%)					
77F1R0K-RC	1.0	± 10	50	25.2	157	0.17	920
77F1R2K-RC	1.2	± 10	50	7.96	144	0.18	880
77F1R5K-RC	1.5	± 10	50	7.96	131	0.20	830
77F1R8K-RC	1.8	± 10	50	7.96	121	0.22	790
77F2R2K-RC	2.2	± 10	50	7.96	110	0.24	750
77F2R7K-RC	2.7	± 10	60	7.96	100	0.25	720
77F3R3K-RC	3.3	± 10	60	7.96	94	0.30	670
77F3R9K-RC	3.9	± 10	60	7.96	86	0.35	640
77F4R7K-RC	4.7	± 10	70	7.96	80	0.40	620
77F5R6K-RC	5.6	± 10	70	7.96	74	0.45	590
77F6R8K-RC	6.8	± 10	75	7.96	68	0.50	550
77F8R2K-RC	8.2	± 10	80	7.96	53	0.52	530
77F100K-RC	10	± 10	85	7.96	40	0.65	500
77F120K-RC	12	± 10	75	2.52	34	0.70	480
77F150K-RC	15	± 10	70	2.52	20	0.75	460
77F180K-RC	18	± 10	60	2.52	14	0.80	430
77F220K-RC	22	± 10	60	2.52	9.9	0.90	410
77F270K-RC	27	± 10	50	2.52	7.6	1.00	390
77F330J-RC	33	± 5	50	2.52	6.5	1.10	370
77F390J-RC	39	± 5	50	2.52	6.5	1.20	350
77F470J-RC	47	± 5	45	2.52	6.3	1.30	340
77F560J-RC	56	± 5	45	2.52	6.2	1.50	320
77F680J-RC	68	± 5	40	2.52	5.7	1.80	305
77F820J-RC	82	± 5	35	2.52	5.3	2.00	290
77F101J-RC	100	± 5	30	2.52	4.8	2.50	275
77F121J-RC	120	± 5	60	0.796	3.8	3.0	185
77F151J-RC	150	± 5	60	0.796	3.5	4.0	175
77F181J-RC	180	± 5	60	0.796	3.0	4.5	165
77F221J-RC	220	± 5	60	0.796	2.8	5.0	155
77F271J-RC	270	± 5	60	0.796	2.6	6.0	145
77F331J-RC	330	± 5	60	0.796	2.4	6.5	137
77F391J-RC	390	± 5	55	0.796	2.0	7.5	133
77F471J-RC	470	± 5	50	0.796	1.8	8.5	126
77F561J-RC	560	± 5	50	0.796	1.6	9.5	120
77F681J-RC	680	± 5	45	0.796	1.6	12.0	113
77F821J-RC	820	± 5	45	0.796	1.4	14.0	105
77F102J-RC	1000	± 5	50	0.796	1.2	20.0	100

General Specifications

Temperature Rise 35 °C at I_{dc}
 Operating Temperature -55 °C to +105 °C
 Storage Temperature -55 °C to +105 °C
 Dielectric Strength..... 500 Vrms

Materials

Core..... Ferrite
 Wire Polyester copper
 Terminal Coating..... Sn-Ag-Cu alloy
 Coating..... Epoxy resin
 Packaging..... 5000 pcs. per 14-inch reel

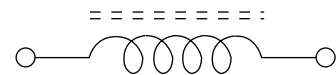
How to Order

77F 151J - TR - RC

Model _____
 Value Code _____
 (See table)
 Packaging Code _____
 TR = 5000 pcs./14-inch reel
 Compliance Code _____
 RC = RoHS compliant*

Example:
 77F102J-TR-RC = 1000 μ H packaged
 5000 pcs./14-inch reel.

Electrical Schematic

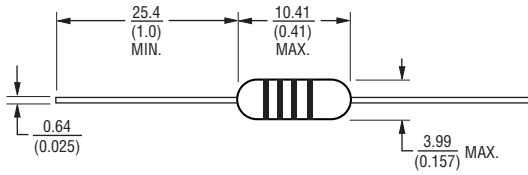


*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
 Specifications are subject to change without notice.
 Customers should verify actual device performance in their specific applications.

77F Series Conformal Coated RF Choke

BOURNS®

Product Dimensions

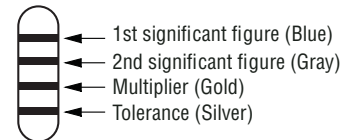


DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

Typical Part Marking - EIA Color Code

Color	1st & 2nd Significant Figure	Multiplier	Tolerance
Silver		0.01	±10 %
Gold		0.1	±5 %
Black	0	1	
Brown	1	10	
Red	2	100	
Orange	3	1000	
Yellow	4		
Green	5		
Blue	6		
Violet	7		
Gray	8		
White	9		

Example for 6.8 μH , ±10 %



Example for 270 μH , ±5 %

