



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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Lowband Ringos

Rugged Ringo CRS Series

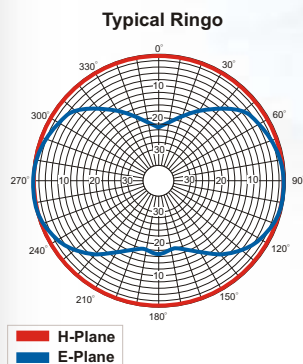
Nine field tunable models cover the 25-108 MHz frequency ranges with 2 dB gain. These half-wave end-fed antennas assure better omnidirectional coverage and maximum radiated RF output.

Their vertical element telescopes from 1 inch (2.54 cm) at the base to 1/2 inch (1.27 cm) seamless tubing at the top. The adjustable element sections are secured with full compression stainless steel clamps. Rugged Ringos can be tower top or side mounted, and feature a direct DC ground which reduces static buildup and lightning exposure.

Heavy-Duty BR Series

These are rugged antennas for your most difficult applications. We have the Ringo you need in three 25-50 MHz, 2 dB gain, field tunable models.

These half-wave end-fed antennas have a low radiation angle for better omnidirectional coverage and a capacitive stub and external ring matching system that assures maximum RF output. The base section is double thickness seamless tubing. Adjustable elements are secured with full compression stainless steel clamps. Teflon feed insulators make Ringos ideal for high-power paging and other continuous duty applications. They can be tower top or side mounted.



BR2

CRS3

LOWBAND RINGOS

- ¥ Heavy-duty
- ¥ Teflon[®] feed insulators
- ¥ DC grounded
- ¥ Stainless steel hardware
- ¥ Field tunable

LOWBAND RINGO SELECTOR GUIDE

Model	Freq. MHz	Gain dB	Power Watts	Bndwidth 1.5:1 MHz	-3dB Bmwidth E-Plane ⁰	Conn. Type (female)	Height ft (m)	Weight lb (kg)	W/sur Area ft ² (m ²)	W/survival mph (kph)	Max. Mast Dia. in (cm)
Rugged Ringos											
CRS-2	25-33	2.0	250	1.0	73	UHF	18.6 (5.6)	4.0 (1.8)	0.83 (0.08)	90 (145)	1-1/4 (3.2)
CRS-3	33-44	2.0	250	1.3	73	UHF	14.0 (4.3)	3.0 (1.4)	0.62 (.06)	90 (145)	1-1/4 (3.2)
CRS-4	44-50	2.0	250	1.7	73	UHF	10.6 (3.2)	2.5 (1.1)	0.50 (.05)	90 (145)	1-1/4 (3.2)
CRS-6	66-72	2.0	250	2.6	73	UHF	7.3 (2.2)	2.0 (0.9)	0.32 (.03)	90 (145)	1-1/4 (3.2)
CRS-7	72-78	2.0	250	2.9	73	UHF	6.6 (2.0)	2.0 (0.9)	0.29 (.03)	90 (145)	1-1/4 (3.2)
CRS-8	78-84	2.0	250	3.1	73	UHF	6.2 (1.9)	1.5 (0.7)	0.27 (.03)	90 (145)	1-1/4 (3.2)
CRS-9	84-90	2.0	250	3.4	73	UHF	5.7 (1.7)	1.5 (0.7)	0.25 (.02)	90 (145)	1-1/4 (3.2)
CRS-10	90-98	2.0	250	3.6	73	UHF	5.3 (1.6)	1.5 (0.7)	0.23 (.02)	90 (145)	1-1/4 (3.2)
CRS-11	98-108	2.0	250	3.9	73	UHF	4.8 (1.5)	1.5 (0.7)	0.22 (.02)	90 (145)	1-1/4 (3.2)
Heavy Duty Ringos											
BR-2	25-32	2.0	500	1.0	73	UHF	18.5 (5.6)	8 (3.6)	1.73 (0.19)	115 (185)	1-7/8 (4.8)
BR-3	32-42	2.0	500	1.3	73	UHF	18.5 (5.6)	8 (3.6)	1.73 (0.19)	115 (185)	1-7/8 (4.8)
BR-4	42-50	2.0	500	1.7	73	UHF	18.5 (5.6)	8 (3.6)	1.73 (0.19)	115 (185)	1-7/8 (4.8)

Common Specifications: VSWR - 1.5:1 nominal; Element - 6063-T832 aluminum tube; Mounting style - tube end. Heavy-duty Ringos feature Teflon[®] dielectric connectors