

RADITEK INC

Stripline drop in Cellular, PCS, UMTS, Isolators and Circulators

Lowest Loss, Most reliable, Most consistent, Best Isolation, Best match, Best thermal stability, Lowest Prices

AND -U models with the very best Linearity,

Defining the new state of the art for lowest IMD and CDMA mask distortion!

Overview: 4 product families in a number of sizes and options

P# Prefix Isolator	RI-C8 /C10	RI-SS	RI-TT
P# Prefix Circulator	RC-C8 /C10	RC-SS	RC-TT
	Phase out	Current	Current
Typical overall height (inch) Max	<0.55"	0.20"c, 0.30"d 0.20"Q	<0.55" RC/I-ST (0.37 TT-KP1)
Magnet type:-	Ceramic 8 and 10	Samarium Cobalt	Samarium Cobalt
Maximum Flange temperature Before non reversible magnetic degradation occurs.	~240°C (Curie temp. ~750°C)	~250°C (Curie temp. ~750°C)	~250°C (Curie temp. ~750°C)
Magnet strength/size	Low	High	High
Magnet position(s)	Top	Side	Top
Sizes available 800-1500MHz	dd, de	dd, de	dd, de, ef
Construction	3 screw, Top magnet	Precision air crimp top, side magnet	Screw Top Top magnet
Sizes available 1500-3600MHz		cc cd cdp cdt q	cd, cdp, de, kp1,3
IMD Tested tones 1-15MHz apart			
<ul style="list-style-type: none"> • 2 x 50W tones (Cellular) • 2 x 30W tones (PCS/UMTS) 			
-High IMD performance - H Model	<-65 dBc	<-68 dBc	<-70 dBc
Ultra Low IMD- U Model Sizes available 800-950MHz low IMD			<-80 dBc tt-de, tt-ee,tt-ef.
Sizes available 1800-2200MHz low IMD			<-80 dBc cc, cd, cdp, kdd, kde, kdf, kp1

Options (used in part number)

Option	Option		
R / L	Direction of Rotation	Clockwise (-R)	Counter Clockwise (-L)
10 or 110W	Aluminum Nitride	10W	110W
A20	20 dB Attenuator	Fitted in place of load	to monitor reverse power
A30	30 dB Attenuator	Fitted in place of load	to monitor reverse power
Tabs	straight with strain relief (default)	-S SMT level with base	-X,Y, Z special Heights
c, d, e, f	O/A Dimensions (horizontal-vertical)	c (0.75 inch), d (1 inch)	e (1.25 inch), f (1.5 inch)
TABL (R)	Monitor Tab on side of 110W load	Used for reverse Power indication	Left (L) / Right (R)

