

RADITEK, Dual Stripline, 800M to 2.2 GHz Isolators: RADITEK

Performance is guaranteed over Temperature, Minimum Insertion Loss, and Highest Isolation.

Direction of RF:	
R	default →
L	←

The C8 Model is being replaced by the C10 model
Basically a stronger magnet

ID (foot print)	Overall Height Inches H (max)	Tab height Inches ±0.025	Hole dia. Inches ±0.004 6 places
HE	0.303	0.144	0.110

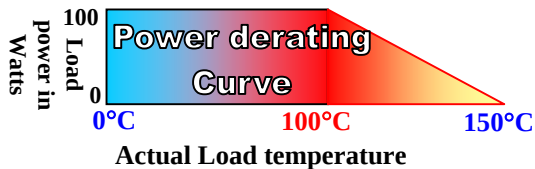
Examples of models, order exact frequency requirement:

Freq. MHz	B W %	S I Z E	Insertion Loss Max. dB	Isolation Min. dB	RL dB	VSWR
825-880		H	0.6	42	21	1.19:1
869-894	2.8	H	0.5	44	21	1.19:1
935-960		H	0.5	44	20	1.20:1
1805-1880		H	0.6	45	20	1.20:1
1930-1990		H	0.6	45	20	1.20:1

Ordering information: Example: RI-C10-869-894-HE-110WR-OPT

Direction: R= Clockwise (default), L= Anti-clockwise

DI-Lower freq -Higher freq -ID-Load power-direction-H

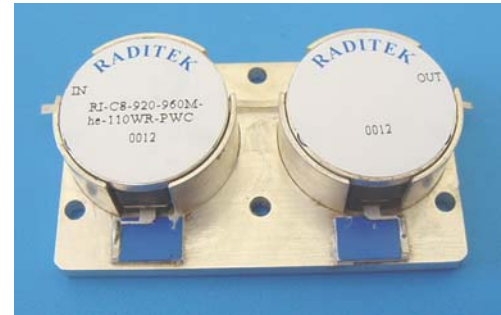


General specifications (designed to meet, but not individually tested to):		
Max. Fwd power:	300 Watts	peak power up to 1.0 Kwatts
Max. Rev (load) power:	See size Table	Assumes infinite heat sink Load temp to be kept < 85°C
Operating temp.	-20°C to 85°C	
Storage temp.	-54°C to 110°C	

Specification Options:

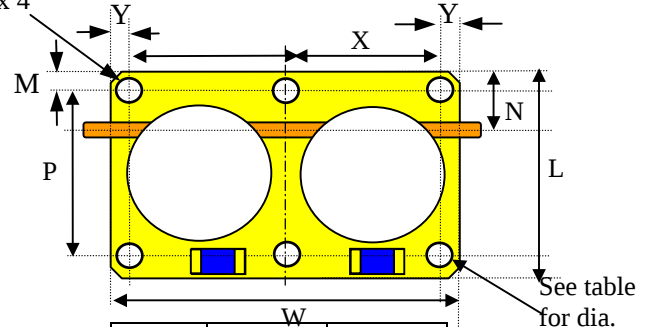
High intermod. Perf.*	68 dBc min	-H
Surface mount		-S

*2 carriers, each at 50 W,



45° Chamfer

D x 4



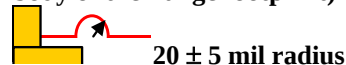
ID: Foot print	INCH	(mm)
iso		
Load	110W	
	Std.	
W	2.17	(55.12)
L	1.25	(31.75)
N	0.30	(7.62)
X	1.00	(25.4)
P	0.82	(20.83)
M	0.09	(2.286)
Y	0.09	(2.286)

Specifications of beryllium copper TABS:

Type	Length	Width	Thickness	Units
HE	0.10	0.050	0.004	inches
Tol.	±0.008	±0.005	±0.001	

Machined surface: $\sqrt{63}$, Flatness: 0.001 inch
All units are in inches. Tolerance: 0.XX ±0.01,
0.XXX ±0.005 unless otherwise marked.
Steel / Aluminum Construction, Magnetically shielded Silver /
Nickel-plated.

Standard semi circular strain relief in each lead.
Port 1 and 2 (contained within the
body of the flange footprint)



RADI-Dual Stripline-Cellular

Specifications may be subject to change

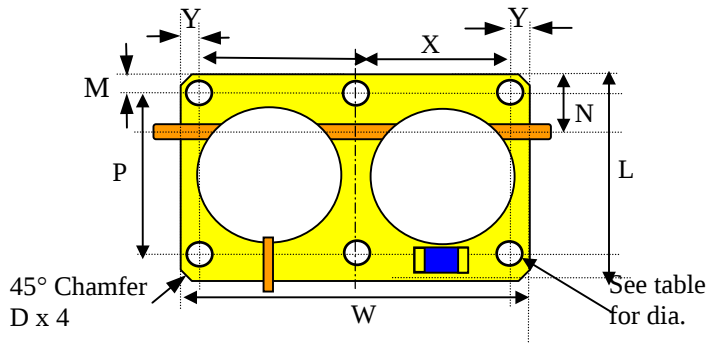
02/02/05

WORLD HQ: 1702H Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Telephone: (408) 266-7404 FAX: (408) 266-4483

WEB: www.raditek.com, E-mail: sales@raditek.com

Freq. MHz	B W %	S I Z E	Insertion Loss Max. dB	Isolation Min. dB	RL dB	VSWR
810-915		H	0.7	38	18	1.30:1
825-880		H	0.6	42	21	1.19:1
850-870		H	0.5	44	21	1.19:1
851-866		H	0.5	44	21	1.19:1
869-894	2.8	H	0.5	44	21	1.19:1
880-960		H	0.6	42	21	1.19:1
935-960		H	0.5	44	20	1.20:1
920-960		H	0.6	45	20	1.20:1
1000-1200		H	1.0	40	19.1	1.25:1
1501-1516		H	0.4	45	21	1.19:1
1805-1880		H	0.6	45	20	1.20:1
1930-1990		H	0.6	45	20	1.20:1



Example: RCI-C10-1805-1880M-de-110WR

R11	Isolator / Isolator
RIC	Isolator / Circulator
RCI	Circulator / Isolator (Shown above)
RCC	Circulator / Circulator

Load Option

If one load option is shown

ie., 110w (load) or 100w-A20 attenuator, it will be fitted on both Isolator ports

If two load options shown (R11 model only)

Ie., 100W-A-20// 110W

Fit 100W-A20 Attenuator on Left

And 110W Load on Right

Direction

If one option shown

ie., R clockwise make both units clockwise

If two options shown

ie., 110WR//110WL, make **right** unit **clockwise**
and **left** unit **counter clockwise**