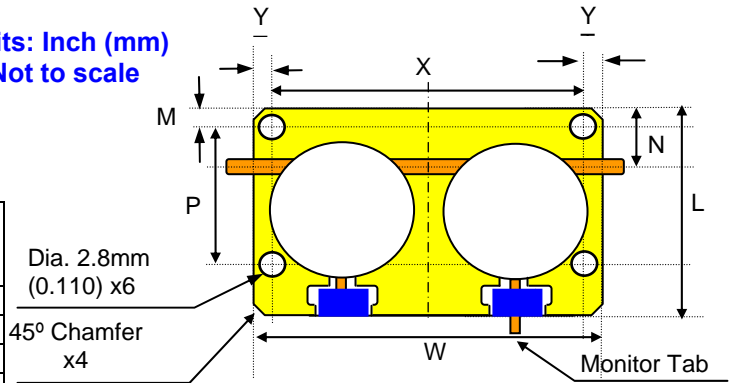


Dual Stripline, FD, 1.7 to 3.6 GHz Isolators and Circulators

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

ID (foot print)	Overall Height H (max)	Tab height ±0.1	Hole dia. ±0.004 4 places	Flange	
FC	7.6	3	2.8	5.1	mm
	(0.3)	(0.12)	(0.11)	(0.2)	(ins)

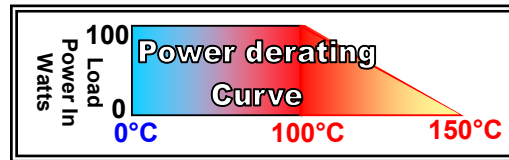
Units: Inch (mm)
Not to scale



Examples of models, order exact frequency requirement:

Freq. MHz	Model	Insertion Loss Max. dB	Isolation Min. dB	RL dB	VSWR
1030-1090	FD	0.6	40	21	1.19:1
1805-1880	FD	0.5*	40	21	1.20:1
1903-1990	FD	0.5*	40	21	1.20:1
2.3-2.5	FD	0.6	42	20	1.20:1
3.3-3.6	FD	1.2	42	20	1.20:1

Direction of RF:	
R	Default ▶
L	◀



ID: Foot print	Inch	mm
W	1.50	(38.1)
L	0.75	(19.05 ± 0.2)
N	0.25	(6.35)
X	1.32	(33.5 ± 0.15)
P	0.57	(14.48 ± 0.15)
M	0.09	(2.3 ± 0.2)
Y	0.09	(2.3 ± 0.2)

Order Examples: RII-SS-1805-1880M-FD-110WR

Description: (Isolator- Isolator, 1805-1880MHz, FD model, 110 Watts, Clockwise Rotation)

[See Page 2 for Additional Ordering Information](#)

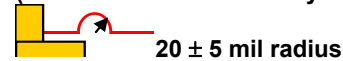
Specifications of beryllium copper TABS: (inches)				
Type	Length	Width	Thickness	Units
FD	0.10	0.050	0.005	inches
Tol.	±0.008	±0.005	±0.001	

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 on Units Below 1900 MHz

Port 1 and 2

(contained within the body of the flange footprint)



General specifications (designed to meet, but not individually tested to):		
Max. Fwd power:	200 Watts	Average
Forward Peak Power	1.0 Kwatts	into a non short circuit load
Max. Rev (load) power:	100/110W	Assumes infinite heat sink Load temp to be kept < 85°C
Operating temp.	-40 to 80°C	
Storage temp.	-10 to 90°C	

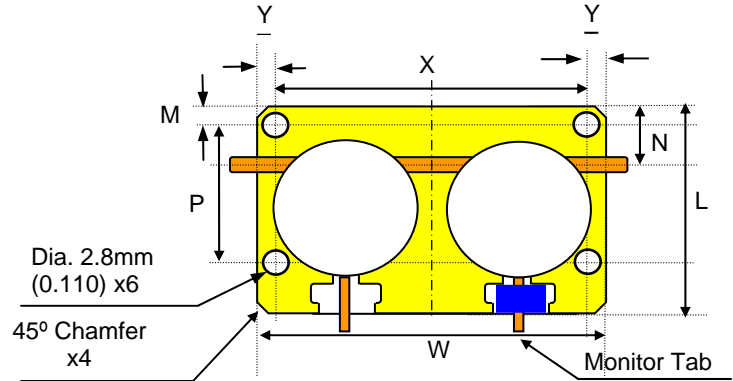
Specification Options:

High intermod. Perf.*	68 dBc min	-H	each 2 carriers, each at 50 W
Third Order Intercept Point	84 dBm		
Output Spurious	-36 dBm		I/P Power 0-35 W CW

Dual Stripline, FD, 1.7 to 3.6 GHz Isolators and Circulators

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

RII	Isolator / Isolator
RIC	Isolator / Circulator
RCI	Circulator / Isolator (Shown)
RCC	Circulator / Circulator



Order Examples: RCI-SS-1805-1880M-FD-110WR

Description: (Circulator- Isolator, 1805-1880MHz, FD model, 110 Watts, Clockwise Rotation)

Load Option

If one load option is shown

i.e., 110w (load) or 100w-A20 attenuator, will be on both Isolator load ports

If two load options shown (RII model only)

i.e., 100W-A-20// 110W

Fit 100W-A20 Attenuator on Left

And 110W Load on Right

Direction

If one option shown

i.e., R clockwise make both units clockwise

If two options shown

i.e., 110WR//110WL, makes **left** unit **clockwise**
and **right** unit **counter clockwise**