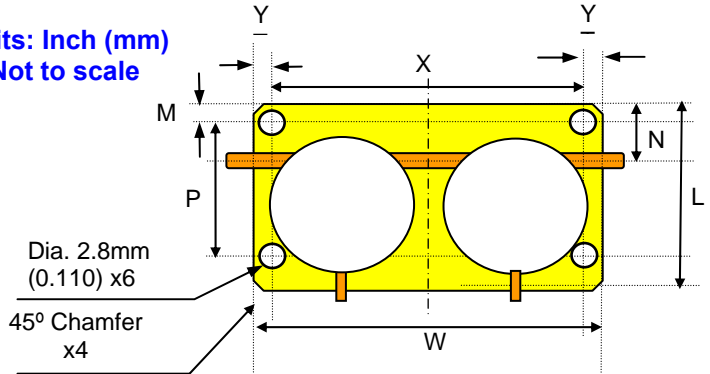


Dual Stripline, FC, 1.7 to 3.5 GHz 100W Circulators or 10/20W Isolators

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	5.1 (0.2)	3 (0.12)	2.8 (0.11)	5.1 (0.2)	mm (ins)

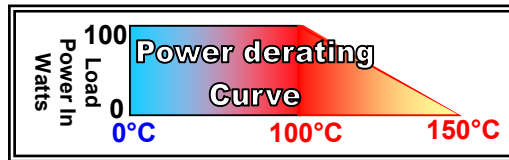
Units: Inch (mm)
Not to scale



Examples of models, order exact frequency requirement:

Freq. MHz	Model	Insertion Loss Max. dB	Isolation Min. dB	Ret. Loss dB	VSWR
1805-1880	FC	0.5	40	20	1.20:1
1903-1990	FC	0.5	40	20	1.20:1
2010-2025	FC	0.5	40	20	1.20:1
2.3-2.5	FC	0.6	42	20	1.20:1
2.5-2.7	FC	0.6	40	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: RCC-SS-1805-1880M-FC-100WR

Description: (Circulator- Circulator, 1805-1880MHz, FC model, 100 Watts, Clockwise Rotation)

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

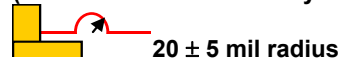
Specifications of beryllium copper TABS: (inches)

Type	Length	Width	Thickness	Units
FC	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)**

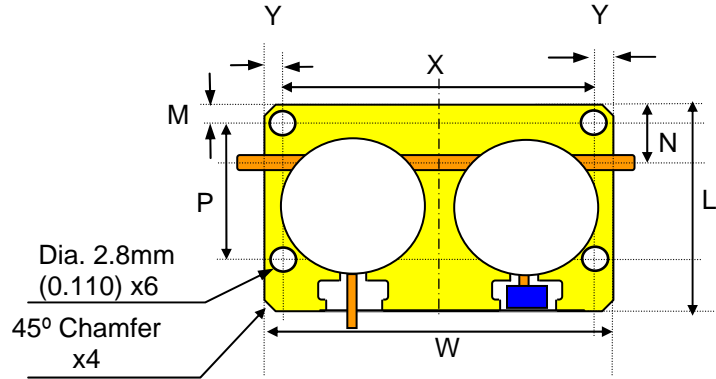


General specifications (designed to meet, but not individually tested to):		
Max. Fwd power:	100 Watts	Average
Forward Peak Power	1.0 Kwatts	into a non short circuit load
Max. Rev (load) power:	See size Table 10/20W	Assumes infinite heat sink Load temp to be kept < 85°C
Operating temp.	-20 to +85°C	
Storage temp.	-40 to +90°C	

Dual Stripline, FC, 1.7 to 3.5 GHz 100W Circulators or 10/20W Isolators

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-1805-1880M-FC-100WR

Description: (Circulator- Isolator, 1805-1880MHz, FC model, 100 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**

Additional specs for SS-c models

Freq. GHz	Insertion Loss dB Max.	Isolation Min. dB	Ret Loss dB	VSWR	@	
1.92-2.17	0.6	35	18		85C	0.6/40/18/18 room temp
2.13-2.37	0.6	36	17	1.37:1		provisional
2.2-2.3	0.5 0.6	36	17	1.33:1		-20 to +85 -55 to +85, d 12/05/11
2.3-2.5	0.6	42	20	1.20:1		
2.3-2.7	0.8	42	18	1.29:1		dc 8/15/07
2.7-3.0	1.0	40	18	1.29:1		
2.9-3.1	0.6	44	21	1.22:1		So 10843
2.9-3.3	1.1	36	18	1.29:1		
3.05-3.5	1.2	38	18	1.29:1		
3.3-3.6	1.2	40	20	1.20:1		
3.35-3.55	1.1	42	21	1.22:1		