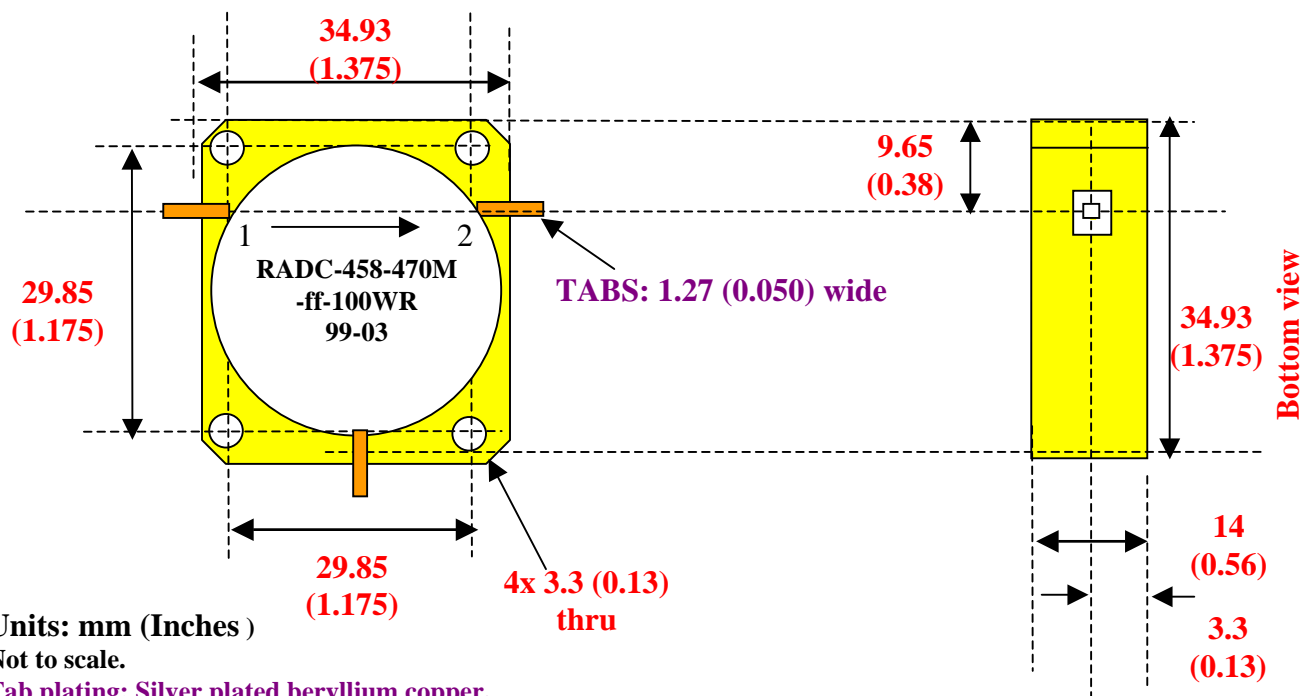


# RADITEK 370--500 MHz Stripline Circulators

## RADC-370-500-ff-200WR (R1)

(code sj)



Units: mm (Inches)

Not to scale.

Tab plating: Silver plated beryllium copper.

Leads should have stress relieve.

The outline and location of screw hole & tabs should not change.

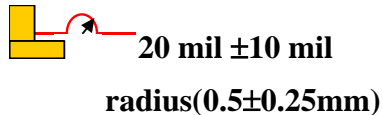
Specifications (over full operating temperature range)

Weight FF: 0.208 Lbs, 0.094 KG

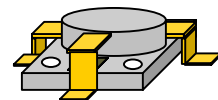
### Specifications:

Frequency (F <sub>LO</sub> F <sub>HI</sub> )	420 - 450	430 - 450	450 - 470	458 - 470	460-470	MHz
Bandwidth	Full	Full	Full	Full	10MHz	
Insertion loss	0.3	0.35	0.35	0.35	0.3	dB Max.
Isolation	19	20	20	20	25	dB Min.
Return Loss	19	20	20	20	19	
VSWR, input / output	1.25:1	1.25:1	1.22:1	1.22:1	1.25:1	Max.
Rated power (Forward)	200	200	200	200	200	Watts
Rated power (Reverse)	100	100	100	100	120	Watts
Operating temperature	-30 to +85	-30 to +85	-30 to +85	-30 to +85	-30 to +85	°C
Storage temperature	-40 to +110	-40 to +110	-40 to +110	-40 to +110	-40 to +110	°C

Standard ff strain relief.



Circuit Tabs can be bent flush with base for surface mounting "option -S"



RADC-370-500-ff-100WR (R1)

Specifications may be subject to change

12/10/04

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# RADITEK 370--500 MHz Stripline Circulators

## RADC-370-500-ff-200WR (R1)

(code sj)

Frequency (F <sub>LO</sub> F <sub>HI</sub> )	370 - 400	380-420	400-450	400-460	405-455	
Bandwidth	Full	Full	Full	Full	Full	MHz
Insertion loss	0.6	0.35	0.8	1.0	1.0	dB (Min)
Isolation	18	18	20	18	18	dB (Max)
Return Loss	20	18	19	18	18	dB (Max)
VSWR, input / output	1.3:1	1.25:1	1.25:1	1.30:1	1.30:1	
Rated power (Forward)	200	200	200	200	200	Watts
Rated power (Reverse)	100	100	100	100	-100	Watts
Operating temperature	-30 to +85	30 to +85	-30 to +85	-30 to +85	-30 to +85	°C
Storage temperature	-40 to +110	-40 to +110	-40 to +110	-40 to +110	-40 to +110	°C

Frequency (F <sub>LO</sub> F <sub>HI</sub> )	454 - 476	575-625	425 - 455	410 - 420		
Bandwidth	Spec	Full	Full	Full		MHz
Insertion loss	0.3	0.4	0.8	0.4		dB (Min)
Isolation	23	19	16	19		dB (Max)
Return Loss	20	19	14	19.1		dB (Max)
VSWR, input / output	1.3:1	1.25	1.5:1	1.25:1		
Rated power (Forward)	200	200	200	200		Watts
Rated power (Reverse)	100	100	100	100		Watts
Operating temperature	-30 to +85	-30 to +85	-30 to +85	-30 to +85		°C
Storage temperature	40 to +125	-40 to +125	-40 to +125	-40 to +125		°C

### Generic Specs

Bandwidth (max.)	10	20	25	30	MHz
Insertion loss	0.45	0.5	0.5	0.6	dB (Min)
Isolation	20	20	19	18	dB (Max)
Return Loss	19	20	20	20	dB (Max)
VSWR, input / output	1.25:1	1.3:1	1.3:1	1.3:1	
Rated power (Forward)	200	200	200	200	
Rated power (Reverse)	100	100	100	100	Watts
Operating temperature	0 to 85	0 to 85	0 to 85	0 to 85	°C
Storage temperature	-40 to 110	-40 to 110	-40 to 110	-40 to 110	°C

Note: at 110W reverse power the isolation degrades by 2db

Pulse power 200 W is admissible at pulse duration not more than 50 microseconds.

*Power Handling: 150 Watts Peak 1.5msec. Pulse Width 5% Duty Cycle*

*See also or fh Isolator model*

RADC-370-500-ff-100WR (R1)

Specifications may be subject to change

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