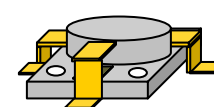
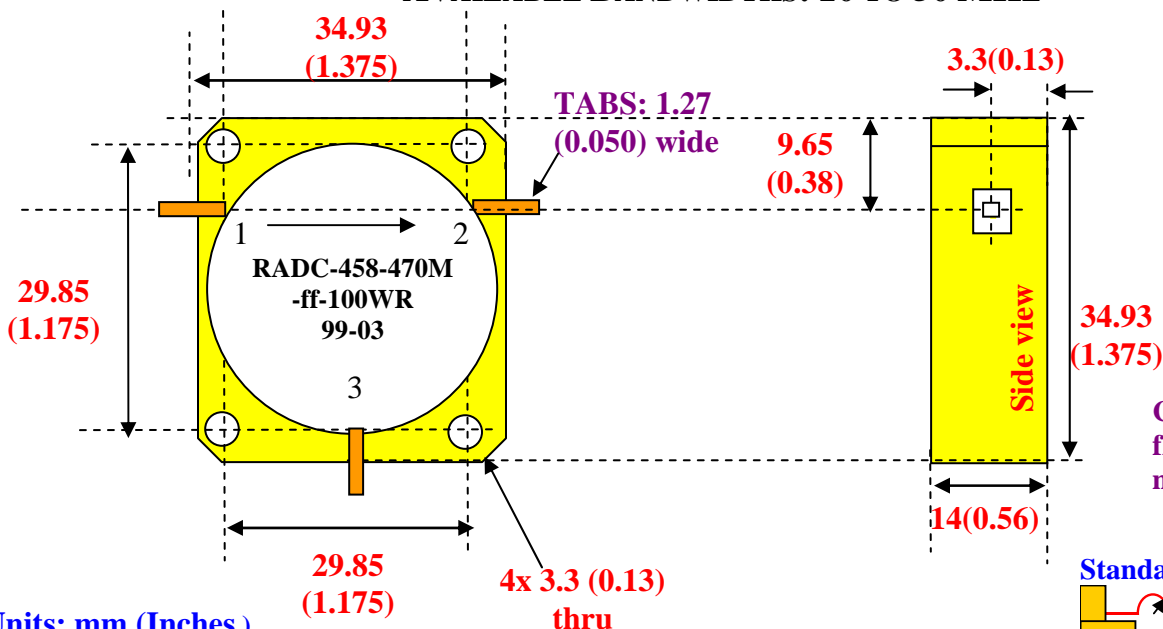


## CIRCULATOR, STRIPLINE DROP-IN, FF

code-sj

370 TO 500 MHz, 100 WATTS

AVAILABLE BANDWIDTHS: 10 TO 50 MHz



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

Standard ff strain relief.  

 20 mil ±10 mil radius (0.5±0.25mm)

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

Order Examples: RADI-420-450M-FF-100WR

Direction of RF:	
R	Default →
L	←

Rated power (Forward)	200	Watts
Rated power (Reverse)	100	Watts
Operating temperature	-30 to 85	°C
Storage temperature	-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

### Generic Specs Use as rough guide only

Bandwidth (max.)	10	20	25	30	40	50	MHz
Insertion loss	0.45	0.5	0.5	0.6	0.7	0.8	dB (Min)
Isolation	20	20	19	19	19	19	dB (Max)
Return Loss	19	19	19	19	17	17	dB (Max)
VSWR, input / output	1.25:1	1.3:1	1.3:1	1.3:1	1.3:1	1.3:1	

**ROHS Compliant**

# RADITEK INC.

## CIRCULATOR, STRIPLINE DROP-IN, FF

code-sj

370 TO 500 MHz, 100 WATTS

AVAILABLE BANDWIDTHS: 10 TO 50 MHz

**Full band, Full temp, Unless specified**

Freq Mhz	BW MHz	Insertion Loss, dB Max	Isolation Minimum dB	Return Loss Minimum dB		
370-400	30	0.6	18	20		
380-395	15	0.35	18	19.1		
380-420	40	0.35	18	18		
390-395	5	0.25	23	23		
400-450	50	0.8	18	18		
400-460	60	1.0	18	18		
410-420	10	0.4	19	19.1		
410-470	60	1.0	17	17		
420-450	30	0.3	19	19		
420-470	50	0.9	17	17		
425-430	5	0.3	21	21		
425-455	30	0.8	18	18		
430-450	20	0.35	20	20		
443-496	53	0.5	18	18		
445-455	10	0.35	20	20		
445-460	15	0.4	20	20		
450-470	20	0.35	20	20		
450-500	50	0.4	18	18		
454-476	22	0.3	23	20		
458-470	12	0.35	20	20		
450-470	20	0.35	20	20		
460-470	10	0.35	20	20		
460-470	10	0.3	23	21		
460-486	26	0.4	20	19		
489-495	6	0.3	20	20		
575-625	50	0.5	19	19		
578-584	6	0.4	19	19		

RADC-370-500-FF-100WR-sj

**Specifications may be subject to change**

02/26/07

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