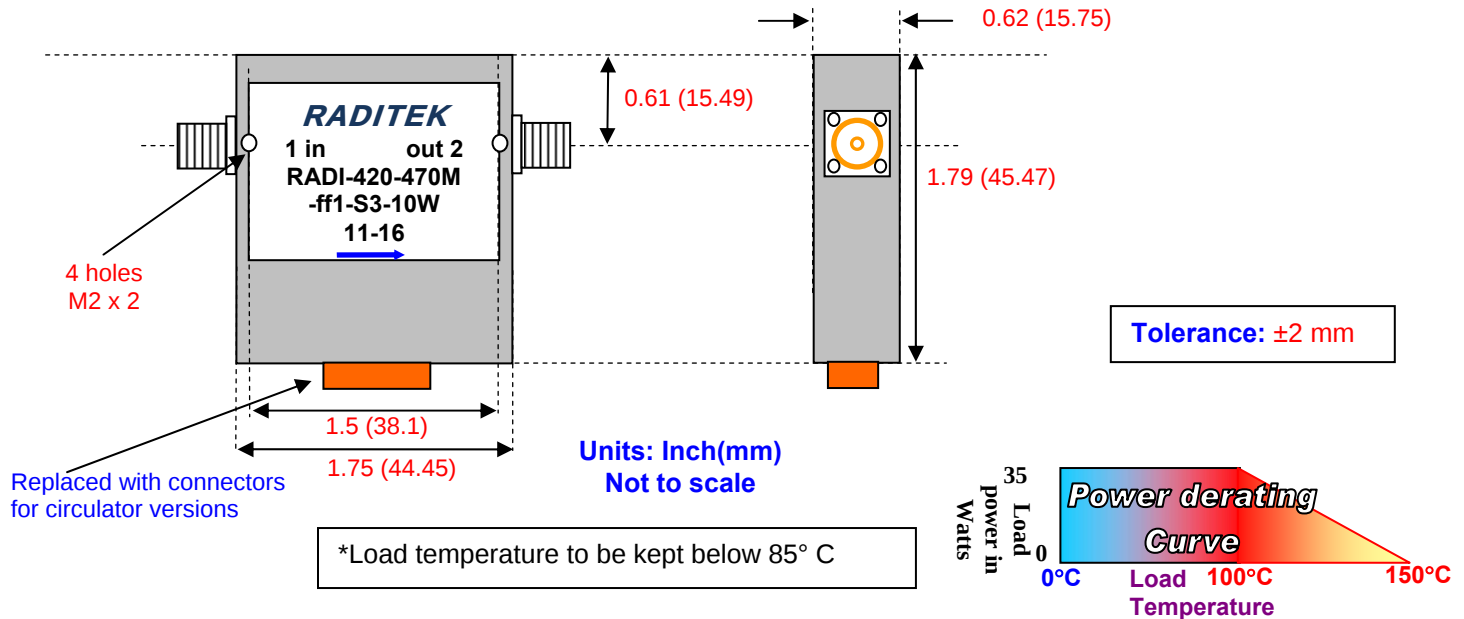


FF1 Coaxial Isolator/Circulator 360-540 MHz 10% Bandwidth

RADI-ff1 isolator, 120W forward, 10W reverse power*(500W peak power)

RADC-ff1 circulator, 200W forward, 150W reverse power (500W peak power)



Direction of RF:	
R	Default ▶
L	◀

Order Examples: RADI-F1-F2M-ff1-SX-10WR
I=ISOLATOR / C=CIRCULATOR

Power Specifications	Isolator	Circulator	Watts
Rated power (Forward)	120	200	Watts
Rated power (Reverse)	10	150	Watts
Operating temperature	-20 to 85	-20 to 85	°C
Storage temperature	-40 to 110	-40 to 110	°C

N / SMA Connector options (X)				
Isolator		Circulator		
Port 1	Port 2		Port 3 Male	Port 3 Female
Female	Male	-1	-11	-21
Male	Female	-2	-12	-22
Female	Female	-3	-13	-23
Male	Male	-4	-14	-24

Generic Specifications:	360-540 MHz						Units
Bandwidth (F1-F2) 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	

RADCorI-360-540M-ff1-SX-10WR-sj Specifications may be subject to change

09/27/11

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Freq MHz	BW MHz	Insertion Loss, dB Max	Isolation Minimum dB	Return Loss Minimum dB	Temp °C	
360-400	40	0.40	21	20.8		
380-395	15	0.35	18	19		
380-410	30	0.6	19	19		
380-420	40	0.3	18	17		
380-430	50	0.6	19	19		
390-450	60	1.1	18	18		
394-437	43	0.3	18	17	-10 to 60	
397-410	13	0.4	22	22		
400-410	10	0.4	22	22		
400-430	30	0.6	19	19		
400-450	50	0.50	17	17		
400-460	60	1.1	17	17		
402.25-404.25	2	0.25	25	22	-10 to 60	
410-420	10	0.4	19	19		
410-470	60	0.5	16.5	16.5		RT / 85c ok mt 3-14-07
412-454	42	0.45	18	18		
413-457	44	0.50	17	18	-30 to 65	
420-440	20	0.5	20	19		p
420-450	30	0.35	19	19		
420-470	50	0.9	17	17		
420-480	60	0.9	16	16		
425-430	5	0.3	21	21		
425-450	25	0.40	21	20.8		
425-455	30	0.5	19	19		
429-439	10	0.4	21	21		
430-450	30	0.50	19	19		
430-470	40	0.6	17	17		
433.5-434.5	1	0.4	23	23		
443-496	53	0.5	17	17		
445-455	10	0.45	20	20		
450-470	20	0.40	21	20.8		
450-500	50	0.5	17	17		
458-470	12	0.4	22	22		p
459.5-461	1.5	0.3	24	22		target 0.25/25/22
460-470	10	0.4	22	22		
451.25-453.25	2	0.25	25	22	-10 to 60	
460-486	26	0.40	21	20.8		
464.5-467	2.5	0.3	24	22		target 0.25/25/22
470-490	20	0.40	21	20.8		
470-495	25	0.40	21	20.8		
470-512	42	0.45	18	18		

RADCorl-360-540M-ff1-SX-10WR-sj Specifications may be subject to change

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Freq MHz	BW MHz	Insertion Loss, dB Max	Isolation Minimum dB	Return Loss Minimum dB	Temp °C	
472-478	6	0.25	21	21		
473-479	6	0.25	21	21		
480-520	40	0.25	18	18		
480-540	60	0.40	15	17.5	-10 to 80	dc 6-21-07 rt and 80C
489-495	6	0.25	20	20		
490-510	20	0.40	21	20.8		
490-512	22	0.40	21	20.8		
490-530	40	0.25	18	18	-10 to 60	
495-512	17	0.4	19	19		
495-516	11	0.4	19	19		