
RADITEK, INC.

Wide Band Coaxial Isolators and Circulators Overview

#1 < 500MHz

Below 500MHz Bandwidth is somewhat limited

Typical Coverage:

25-30MHz (1MHz max Bandwidth)* lowest frequency possible is 25MHz

30-40MHz (1.5MHz max Bandwidth)

40-50MHz (2.5MHz max Bandwidth)

50-60MHz (8MHz max Bandwidth)

60-100MHz (15MHz max Bandwidth)

100-150MHz (40% Bandwidth)

150-225MHz (40% Bandwidth)

225-400MHz (56% Bandwidth)

400-650MHz (48% Bandwidth)

650-1000MHz (42% Bandwidth)

200-300MHz (40% Bandwidth)

300-450MHz (40% Bandwidth)

450-650MHz (36% Bandwidth)

650-1000MHz (42% Bandwidth)

alternative 500-1000MHz (66% Bandwidth)

Power on above units is 50W,

as power requirement increases above 50W units need many special tuning capacitors
and additional tuning time

#2 500MHz-18GHz

We offer a full arrange of **Octave** (100% Bandwidth) and **Octave Plus** (150% Bandwidth) units and
Peripheral Mode (>2 00% bandwidth) units

Model		Coverage (octave)	Isolator	Circulator	Power Fwd	Power Rev
Octave	500-1000MHz	1	✓	✓	10 Watts	11 Watts
special	800-2000MHz	1	✓	✓	100 Watts	1Watts
Octave	1-2GHz	1	✓	✓	75 Watts	1-20 Watts
Octave	1.7-18GHz	1 octave max	✓	✓	150 Watts	75 Watts
Octave plus	2-6GHz		✓	✓	tba	tba
	6-18GHz		✓			
			✓			
Peripheral Mode	1-18GHz	2	✓	X	1 W	1 W
Peripheral Mode	2-18GHz	>3	✓	X	1 W	1 W

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We also make 18-26GHz and 26-40GHz

Wide bandwidth Circulator Coverage

	%BW		Part #			
Lowest freq 25MHz						
25-30MHz	1MHz		RADC-	25-30M (1M)	S23	1WR
30-40MHz	1.5MHz		RADC	30-40M(1.5M)	S23	1WR
40-50MHz	2.5MHz		RADC	40-50M(2.5M)	S23	1WR
50-60MHz	10MHz		RADC	50-60M(10M)	S23	1WR
60-100MHz	15MHz		RADC-	50-100M(15M)	S23	1WR
100-150MHz	40%		RADC	100-150M	S23	1WR
150-225MHz	40%		RADC	150-225M	S23	1WR
225-400MHz	56%		RADC-	225-400M	S23	1WR
400-650MHz	48%		RADC	400-650M	S23	1WR
650-1000MHz	42%		RADC	650-1000M	S23	1WR
1-2GHz	66%		RADC	1-2	S23	1WR
2-6 GHz	100%		RADC-	2-6	S23	1WR
6-18 GHz	100%		RADC	6-18	S23	1WR
18-26.5 GHz	38%		RADC	18-26.5	S23	1WR
26.5-40GHz	41%		RADC	26.5-40	S23	1WR