

Bandpass Filters



These filters have been specifically designed for Satellite Earth Stations and VSAT applications.

The Transmit Reject Filters are used in the receivers and reject any spurious signals at the transmit frequency. The Receive Reject Filters are used in the transmitter and reflect any spurious signals at the receive frequencies. The tables give an indication of capability with these filters. We also have a significant number of other designs and DrawCom can happily accommodate customer specified filters.

Transmit Reject (Low Loss) Bandpass Filters

Part No.	Waveguide Size	Passband Operating Frequency (GHz)	Min. Passband Return Loss (dB)	Max. Passband Insertion Loss (dB)	Reject Band (GHz)	Minimum Rejection (dB)	Length (in.)
M1052-1	WR229	3.700 - 4.200	26	0.035	5.925 - 6.425	60	6.35
M1052-2	WR229	3.700 - 4.200	28	0.035	5.925 - 6.425	60	6.50
M1052-3	WR229	3.625 - 4.200	25	0.40	5.850 - 6.425	60	6.50
M1052-4	WR229	3.700 - 4.200	28	0.035	5.785 - 6.425	60	6.50
M1052-5	WR229	3.625 - 4.200	25	0.035	5.850 - 6.425	55	6.35
M3870	WR229	3.625 - 4.800	19	0.080	5.800 - 7.100	50	6.50
M1154-1	WR75	10.950 - 11.70	26	0.150	14.000 - 14.500	60	5.50
M1154-2	WR75	11.700 - 12.200	26	0.150	14.000 - 14.500	60	5.00
M1154-3	WR75	11.700 - 12.200	26	0.150	14.000 - 14.500	60	5.50
M1549	WR75	12.250 - 12.750	23	0.270	14.000 - 14.500	65	6.12
M1618	WR75	11.700 - 12.200	26	0.120	14.000 - 14.500	35	5.00
M1983	WR75	11.700 - 12.700	26	0.250	14.000 - 14.500	70	6.50
M2043	WR75	10.950 - 12.200	25	0.250	14.000 - 14.500	70	8.00
M2157	WR75	12.250 - 12.750	26	0.180	14.000 - 14.500	70	5.79
M2958	WR75	10.950 - 12.750	20	0.250	14.000 - 14.500	60	4.15

Receive Reject (High Power) Bandpass Filters

Part No.	Waveguide Size	Passband Operating Frequency (GHz)	Min. Passband Return Loss (dB)	Max. Passband Insertion Loss (dB)	Reject Band (GHz)	Minimum Rejection (dB)	Length (in.)	Power (kW)
M1126	WR137	5.840 - 7.100	23	0.100	3.400 - 4.800	70	7.62	3.0
M3152	WR75	13.900 - 14.800	24	0.200	10.950 - 12.750	80	6.20	2.0

ORDERING INFORMATION

1. Specify model number.
2. Flange Types available for above filters WR229 & WR137 CPR-G or CPR-F, WR75 CPR-G, CPR-F, Cover or Cover Groove (M3152 cover flange style only).