

Waveguide Tx & Rx Reject Filters

Luso Electronics range of transmit and receive reject filters are designed for use in satellite earth station equipment. The Tx reject filters are designed to be used on receive systems to reject any spurious signals in the transmit frequency, while the Rx reject filters are used on transmit systems to reject any spurious signals in the receive frequency. For custom design requirements please contact the sales office.

Standard product table- Tx Reject Filters

WAVEGUIDE SIZE		PASSBAND FREQUENCY (GHz)	REJECT BAND (GHz)	R. LOSS (dB) Min	I. LOSS (dB) Max	REJECTION (dB) Min.	STANDARD FLANGES	BASE MODEL No.
WR229	WG11A	3.62-4.20	5.80-6.45	26	0.06	55	CPR229G	LU229TXR1
WR75	WG75	10.00-12.75	13.75-14.50 14.00-14.50	25	0.15	70 80	PBR120	LU75TXR1
WR75	WG17	10.20-12.75	13.75-14.50 14.00-14.50	23	0.15	50 60	PBR120	LU75TXR2
WR75	WG17	10.20-12.00	12.90-13.60	23	0.10	70	UBR120	LU75TXR3
WR75	WG17	10.70-11.70	12.75-14.50	23	0.20	50	PBR120	LU75TXR4
WR75	WG17	10.97-12.75	12.75-14.50	20	0.20	50	PBR120	LU75TXR5

Standard product table- Rx Reject Filters

WAVEGUIDE SIZE		PASSBAND FREQUENCY (GHz)	REJECT BAND (GHz)	R. LOSS (dB) Min	I. LOSS (dB) Max	REJECTION (dB) Min.	STANDARD FLANGES	BASE MODEL No.	MEAN POWER (CW)
WR137	WG14	5.84-6.725	3.70-4.20	23	0.10	50	CPR137G	LU137RXR1	1500
WR137	WG14	5.85-6.65	13.75-14.50	23	0.10	50	CPR137G	LU137RXR2	1500
WR137	WG14	5.85-6.425	3.70-4.20	23	0.10	70	CPR137F	LU137RXR3	1500
WR75	WG17	13.75-14.50	10.00-12.75	25	0.20	70	PBR120	LU75RXR1	700
WR75	WG17	12.75-14.50	10.00-12.20	25	0.30	70	PBR120	LU75RXR2	1000
WR75	WG17	14.00-14.50	10.00-13.75	23	0.45	40	PBR120	LU75RXR3	300

