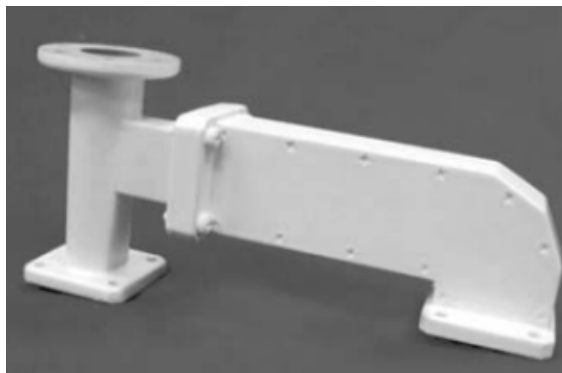




Ku-Band TR Reject Filter

With Ortho-Mode Transducer (OMT)



Applications:

This is a highly integrated three port assembly, combining an OMT with a transmit reject filter and elbow. It is small, lightweight, easy to install and is aesthetically appealing.

The OMT is designed for linear orthogonal polarization. The combined OMT and filter assembly provides very high isolation and is suitable for a large variety of applications in VSAT ground terminals.

The unit has a WC75 flange at the feedhorn port, a WR75 with a grooved surface at the transmitter port and a WR75 flange with a flat surface at the LNB receiver port. An adaptor can be provided to allow the transmitter port to match with a transmitter with a grooved surface.

Typical Specifications		Units
Transmitter port frequency range	13.75 to 14.50	GHz
Transmitter port VSWR	1.3:1	(max)
LNB port frequency range	10.70 to 12.75	GHz
LNB port VSWR	1.3:1	(max)
Transmitter/LNB cross polarization	35	dB (min)
Transmitter port to LNB port isolation at Tx frequency	80	dB (min)
Transmit port input power	50	dBm (max)
Transmitter port to LNB port insertion loss	0.25	dB (max)
LNB port to transmitter port insertion loss	0.35	dB (max)
Feedhorn port waveguide	WC75 with threaded holes	
Transmitter port waveguide	WR75 with through holes	
LNB port waveguide	WR75 with through holes	
Dimensions (LxWxH)	76 x 45 x 172 2.9 x 1.8 x 6.8	mm in.
Weight	250 8.8	g oz