



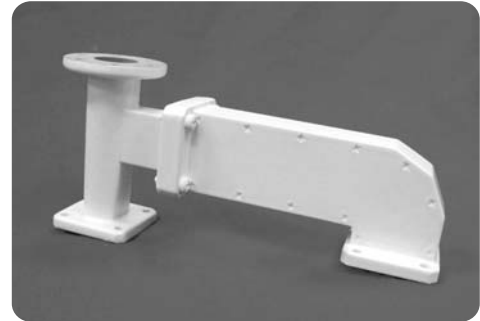
Norsat
International Inc.

Intelligent Satellite Solutions



MICROWAVE COMPONENT

KU-BAND OMT TRANSMIT REJECT FILTER



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 WC 75 flange at the feedhorn port, a WR 75 with a grooved surface at the transmitter port and a WR 75 flange with a flange at 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

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

HOW TO ORDER KU-BAND OMT TRANSMIT REJECT FILTER

OMT-KUE ————— FREQUENCY.....13.75 - 14.50 GHz