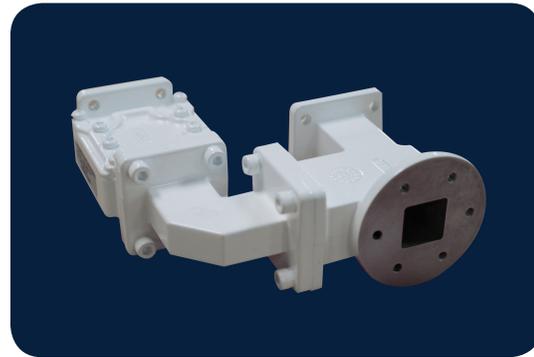




# MICROWAVE COMPONENT

## KU-BAND EXTENDED OMT TRANSMIT REJECT FILTER



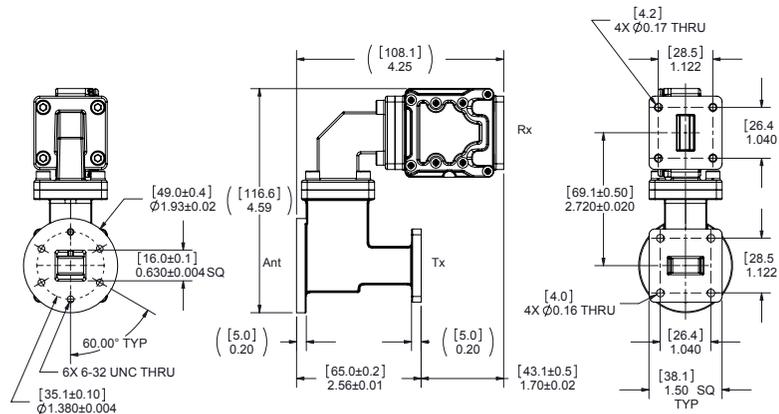
### APPLICATIONS

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, and WR 75 cover flanges at the transmitter LNB ports.

### MECHANICAL DIAGRAM



### HOW TO ORDER

**OMT-KuE-1** — FREQUENCY 13.75 - 14.50 GHz

### TYPICAL SPECIFICATIONS

<b>Transmitter port frequency range</b>	13.75 to 14.50 GHz
<b>Transmitter port VSWR maximum</b>	1.25 : 1
<b>LNB port frequency range</b>	10.70 to 12.75 GHz
<b>LNB port VSWR maximum</b>	1.25 : 1
<b>Transmitter/LNB cross polarization minimum</b>	40 dB
<b>Transmitter port to LNB port isolation at Tx frequency minimum</b>	85 dB
<b>Transmitter port to feed port insertion loss maximum</b>	0.2 dB
<b>Feed port to LNB port insertion loss maximum</b>	0.4 dB
<b>Feedhorn port waveguide</b>	WC75 with threaded holes
<b>Transmitter port waveguide</b>	WR75 with through holes
<b>LNB port waveguide</b>	WR75 with through holes
<b>Dimensions</b>	108 (L) x 149 (W) x 117 (H) mm (4.25 x 1.93 x 4.59 in)
<b>Weight</b>	390 g / 13.8 oz max