

# SMW OMT

## ORTHO MODE TRANSDUCER (OMT)



Swedish Microwave's OMT is used to separate two orthogonal linearly polarized signals simultaneously. The OMT can also support circular polarizations with a depolarizer. Greater than 31.5 dB isolation between the two linear polarizations is achieved.

### Accessories

- Bend for the vertical polarization
- Waveguide cover for H-pol port
- Depolarizer for circular polarizations

### SPECIFICATIONS

	OMT KU-BAND
Frequency Range Vertical	10.70 - 14.50 GHz
Frequency Range Horizontal	10.70 - 12.75 GHz
Input Waveguide	C120 (circular 18 mm)
Output Waveguides	WR75
Input VSWR	1.5:1 max
Cross Polarization (isolation)	31.5 dB min.
Transmission Loss	0.1 dB
Temperature Range Storage and operating	- 40° to + 80° C
Weight	200 g
Material	Zinc
Dimensions	125 x 48 x 46 mm, (73 x 48 x 45 mm w/o bend), for drawing, see <a href="http://www.smw.se">www.smw.se</a>