

## Antennas for maritime VSAT developed for Eutelsat Standard M Type Approval.

Feeding system design and optimization, prototype manufacture/assembly and tuning, test RF.

Models available (reflector diameter): 115 – 95 – 60 cm Ku-band, 60 cm Ka-band, 240 cm C-band.

### Ku Band OMT

for linear orthogonal polarization. Compact design. C120 flange at feedhorn port, SMA connector at Tx port, WR75 flange at LNB Rx port.

Tx: 13.75 – 14.5 GHz, Rx: 10.7 – 12.75 GHz  
VSWR Tx,Rx 1.2:1

Insertion Loss 0.3

Tx/Rx cross-polarization 35 dB

### Dual-Pol Rx Ku Band OMT

allows single polarity Tx and dual polarity Rx. TX port is the side port, with SMA connector. C120 flange at feedhorn port.

Rx: 10.95 – 12.75 GHz, VSWR 2:1, IL < 0.3

TX: 13.5 – 14.5 GHz, VSWR 1.5:1, IL < 0.2

Isolation Tx/Rx: same pol 21dB, cross pol 35dB

### Ka Band OMT with Transmit Reject Filter

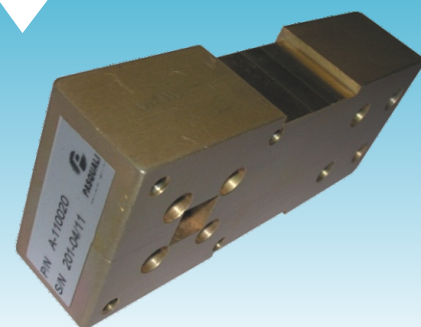
for linear orthogonal polarization.

Compact design. Tx port (WR28) and Rx port (WR42) on the same plane, opposite feedhorn circular port.

Rx: 19.7 – 21.2 GHz, TX: 29.5 – 31 GHz  
VSWR Rx,Tx 1.3:1,

INSERTION LOSS Rx,Tx 0.2

Isolation: Rx band 55 dB, TX band 90 dB



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**Regione Toscana**

