



## **Data Sheet**

**KA - BAND - ORTHOMODE TRANSDUCER**

**OM-01-Ka-R-015**

OMT Type: OM-01-Ka-R-015  
 Ka Band : Rx – 17.70 GHz – 21.20 GHz

Technical Data

Type No.		OM-01-Ka-R-015	
Passband			
Band 1	GHz	Ka Band : Rx – 17.70 GHz – 21.20 GHz	
Insertion Loss	dB	Port RX1 ↔ Common Port Port RX2 ↔ Common Port	Max. 0.05 dB
Isolation	dB	Min. 40 dB	
Return Loss	dB	Port RX1 Port RX2	Min. 20 dB
Power Handling	W	Max. 1000 CW per TX Port	
Waveguide size		Port RX1 Port RX2	R220 / WR42
Flanges		Port RX1 Port RX2	M4 threads / UBR 220 Optional PBR 220
Common Port		Customer TBS	
Material		Aluminium	
Finish		White Paint ( Standard)	
Operating Pressure	kPa	Max. 10 kPa ( 100 mbar)	
Operating Temperature	°C	-20°C to 40°C	

OM-01-Ka-R-015 / V01  
Subject to alteration.

RX-1

RX-2



Common Port

Figure 1-1: Ka – Band OMT (Rx Only)

OM-01-Ka-R-015 / V01  
Subject to alteration.

**Please Note:**

As a result of more stringent legal regulations and judgements regarding product liability, we are obliged to point out certain risks that may arise when products are used under extraordinary operating conditions.

Extraordinary operating conditions, such as heavy icing or exceptional dynamic stress (e.g. strain caused by oscillating support structures), may result in the breakage of a mast mounted device or even cause it to fall to the ground

These facts must be considered during the site planning process.

The installation team must be properly qualified and be familiar with the relevant national safety regulations.

The details given in our data sheets must be followed carefully when installing the devices and accessories.

Terminate unused inputs with a suitable 50-Ohm load.

Any previous datasheet issues have now become invalid.