

SENCITY®Matrix 70/80 GHz Antenna 38 dBi 1378.99.0001

Description

E-Band antenna for unobtrusive, high capacity radio links.



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2
Frequency (MHz)	71000 - 76000	81000 - 86000
VSWR	2.6	2.6
Gain (dBi)	38.2	39.5
3dB beamwidth (h) (°)	1.9	1.8
3dB beamwidth (v) (°)	1.9	1.8
Ambient temperature (°C)		
Front to back ratio (dB)	48	48
Co/Crosspolar ratio (dB)	21	21
Sidelobes (h)	ETSI EN 302 217-4-2 V1.5.1 CLASS 2	
Sidelobes (v)	ETSI EN 302 217-4-2 V1.5.1 CLASS 2	

Ports

	Port 1
Connector	WR12 (application specific waveguide flange)
Polarization	linear

Sidelobe suppression levels valid for 5° or 45° rotated installation.

Mechanical Data

Dimensions (mm)	7.5 x 106 x 102 (Height x Width x Depth)
Weight (kg)	0.08

Environmental Data

Environmental conditions	indoor/outdoor
Operation temperature (°C)	-45 to 85
Operating conditions	ETSI EN 300 019-2-4 V2.2.2 (2003-04) T4.1E
Storage temperature (°C)	-45 to 85
Storage conditions	ETSI EN 300 019-2-4 V2.2.2 (2003-04) T4.1E
IP rating	No
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
REACH 1907/2006/EC	compliant

Operating and storage conditions are valid if the antenna is properly enclosed.

SENCITY®Matrix 70/80 GHz Antenna 38 dBi 1378.99.0001

Related Products

73_Z-0-0-1023 Adaptor antenna interface to UG387/U

Related Documents

Mounting instruction	DOC-0000420085
Outline drawing	DOU-00258566
3D-model	DOC-0000453239

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[HUBER+SUHNER:](#)

[1378.99.0001](#)