

SENCITY®Matrix 70/80 GHz Antenna 43 dBi 1378.99.0002

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)	41.5	43
3dB beamwidth (h) (°)	1	0.8
3dB beamwidth (v) (°)	1	0.8
Front to back ratio (dB)	53	53
Co/Crosspolar ratio (dB)	35	33
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 (UG387/U)
Polarization	linear

Mechanical Data

Dimensions (mm) 33.6 x 280 x 280 (Height x Width x Depth)
 Weight (kg) 2

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 IPX8
 Solar radiation IEC EN 60068-2-9
 RoHS 2011/65/EU compliant
 REACH 2006/1907/EC compliant

Material Data

Radome colour RAL 1013 (white)
 Radome material PP (Polypropylene)
 Back plate/base plate colour RAL 1013 (white)
 Back plate/base plate material Aluminium

Related Documents

Mounting instruction DOC-0000457301
 Outline drawing DOU-00265813

SENCITY®Matrix 70/80 GHz Antenna 43 dBi 1378.99.0002

3D-model

DOC-0000403422