

Broadband vehicle/train antenna 380-470 MHz

DESCRIPTION

These antennas are omni-directional and suited for operation on vehicles in harsh environments. Using a quarter wave radiator, they are short and very robust, and offer a wide operating bandwidth. They are d.c. grounded, and intended for installation on conductive surfaces. The 472 is covered by a radome of tough moulded polyurethane.

- Former Skymasts brand product.

SPECIFICATIONS

Electrical	
Frequency	380 - 470 MHz
Max. Input Power	250 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	80 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
VSWR	< 2.0:1
Gain (EIA RS-329-1)	0 dB
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
Ground Plane Required	500 mm square minimum

Mechanical	
Connection(s)	N(f)
Radiator Material	Brass
Radome Material / Colour	Polyurethane, light grey
Dimensions	145 x 80 x 140 mm
Wind Load	18 N (160km/h)
Corrosion Protection	Surtec 650
Weight	0.5 kg / 1.10 lb
Mounting	4 x M12 Bolts stainless steel grade A2-70

Environmental	
Ingress Protection	IP67 (When installed on vehicle)

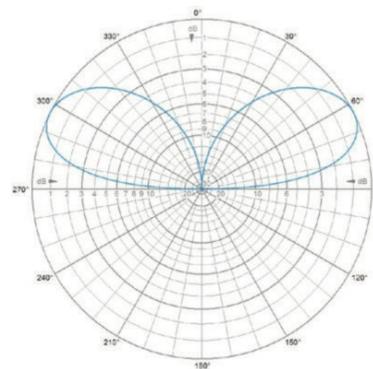
ORDERING

Model	Product No.	Frequency
Broadband vehicle/train antenna 380-470 MHz	472.01.05.00	380 - 470 MHz



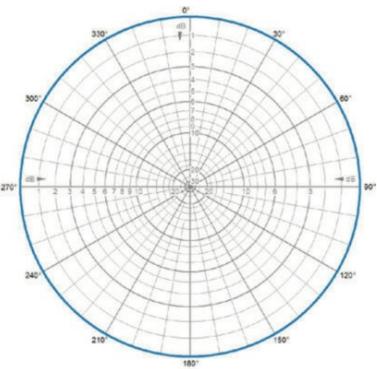
DIAGRAM

RADIATION PATTERNS



E-Plane | 425 MHz

RADIATION PATTERNS



H-Plane | 425 MHz

