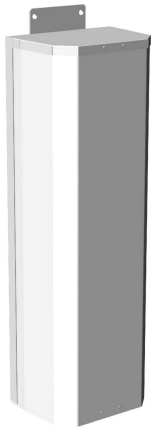


VPOL panel antenna 120°, 8dBi, 380 - 470 MHz

DESCRIPTION

- The 760/766 series of UHF Panel antenna has been designed for TETRA / UHF Trunked Radio applications, offering a stable performance an PIM specification over a wide bandwidth.
- Available in VPOL and XPOL formats, the main housing of the antenna is made from corrosion resistant marine grade aluminium.
- The antennas compact design gives very low wind loading characteristics, and combined with the low weight of the antenna, aids in the reduction of structural loading.
- Former Skymasts brand product.



SPECIFICATIONS

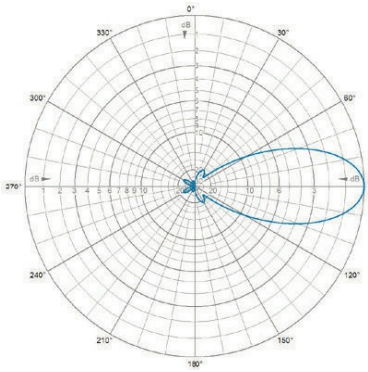
Electrical	
Model	760.12.08.00
Frequency	380 - 470 MHz
Max. Input Power	200 W
Polarisation	Vertical
Peak Instantaneous Power (PIP)	25 kW
3 dB Beamwidth, E-Plane	38° ±2°
3 dB Beamwidth, H-Plane	115° ±5°
Impedance	50 Ω
Gain	5.9 dBd (8 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	> 18 dB
Passive Intermodulation	-153 dBc (3rd Order, 2 x Tx @ 43 dBm)
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
Mechanical	
Connection(s)	7/16 DIN(f) Also available with N(f) or 4.3-10(f)
Materials	Radome : White ASA UV resistant Housing : Aluminium 5083 (marine)
Dimensions	920 x 300 x216 mm / 36.22 x 11.81 x 8.50 in.
Wind Load	223 N (160 km/h)
Weight	Approx. 6.5 kg / 14.33 lb.
Mounting Bracket	Fixed Bracket : 766.700 (Ordered Separately)
Alternate Mounting Bracket	Tilt bracket : 766.7015 (0 - 22°) (Ordered Separately)
Environmental	
Operating temperature range	-40 °C to +75 °C
Survival Wind Speed	300 km/h
Ingress Protection	IP56

ORDERING

Model	Product No.	Description	Frequency
VPOL panel antenna 120°, 8dBi	760.12.08.00-7/16 DIN(f)	7/16 DIN(f) termination	380 - 470 MHz
VPOL panel antenna 120°, 8dBi	760.12.08.00-N(f)	N(f) termination (not PIM specified)	380 - 470 MHz
VPOL panel antenna 120°, 8dBi	Contact for availability	4.3-10(f) termination	380 - 470 MHz
Accessories			
Bracket kit for 760/766 panel (no tilt)	766.700		
Bracket kit for 760/766 panel (small), 0 - 22deg	766.7015		

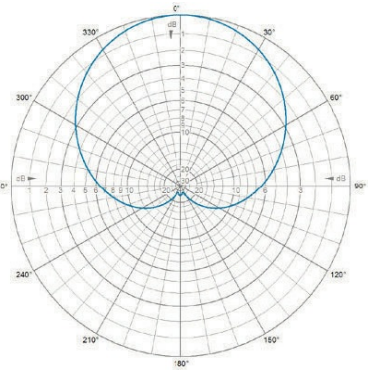
DIAGRAM

RADIATION PATTERNS



E-Plane | 425 MHz

RADIATION PATTERNS



H-Plane | 425 MHz

