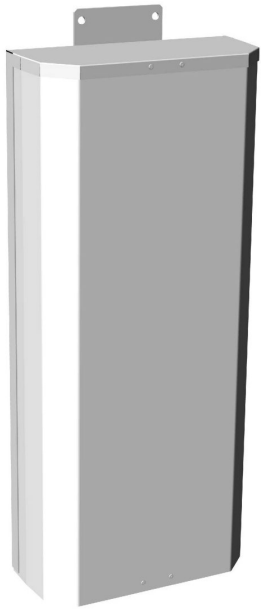
VPOL panel antenna 65°, 12dBi, 380-470 MHz



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	
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	68° ±5°
Impedance	50 Ω
Gain	9.9 dBd (12 dBi)
VSWR	< 1.5:1
Front-To-Back Ratio	> 20 dB
Passive Intermodulation	-153dBc (3rd Order, 2 x Tx @ 43dBm)
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Connection(s)	7/16 DIN(f)
Materials	Radome: White ASA UV resistant Housing: Aluminium 5083 (marine)
Dimensions	920 x 400 x 170 mm
Wind Load	297 N (160km/h)
Weight	7 kg / 15.43 lb
Mounting Bracket	Fixed Bracket: 766.700 (Ordered Separately)
Alternate Mounting Bracket	Tilt bracket: 766.7015 (0 - 22°) (Ordered Separately)

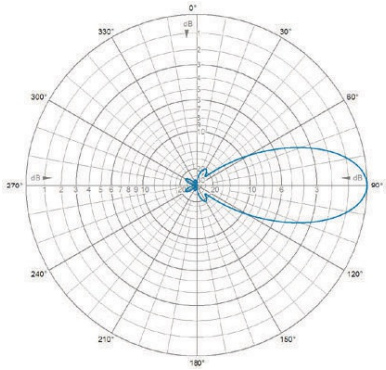
Environmental	
Operating Temperature Range	-40 to 75 °C
Survival Wind Speed	300 km/h
Ingress Protection	IP56

ORDERING

Model	Product No.	Description	Frequency
VPOL panel antenna 65°, 12dBi, 380-470 MHz	760.65.12.00	7/16(f) termination	380 - 470 MHz
VPOL panel antenna 65°, 12dBi, 380-470 MHz	760.65.12.00-N	N(f) termination (not PIM specified)	380 - 470 MHz
Bracket kit for 760/766 panel (no tilt)	766.700		
Bracket kit for 760/766 panel (small), 0 - 22deg	766.7015		

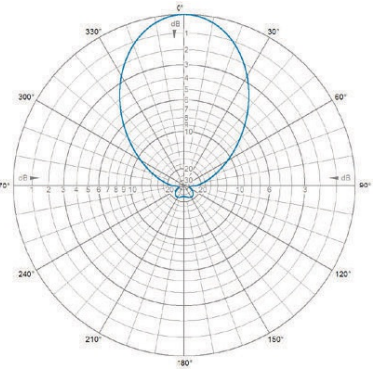
DIAGRAM

RADIATION PATTERNS



E-Plane | 425 MHz

RADIATION PATTERNS



H-Plane | 425 MHz

PROCOM A/S reserves the right to
amend specifications without prior notice