

The 766 series of UHF Panel antenna has been designed to offer a very stable radiation pattern whilst giving a very wide bandwidth of operation. This approach enables the use of the antenna for multi carrier operation, and for use where site sharing is also a requirement. The antenna features carefully selected high quality components throughout including the main housing of the antenna being 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.

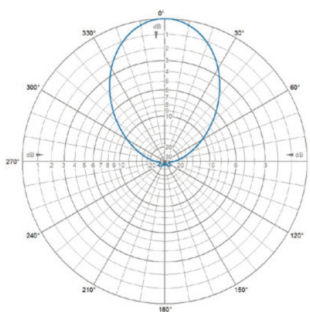


Low PIM Certified

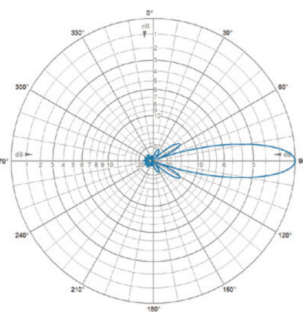
<b>Frequency range</b>	380 - 470MHz
<b>Input Impedance</b>	50Ω
<b>VSWR</b>	<1.5 : 1
<b>Front to Back ratio</b>	>20 dB
<b>Maximum Input Power</b>	2 x 400 Watts
<b>Isolation between Input Ports</b>	>27dB
<b>Forward Gain</b>	15dBi
<b>Polarisation</b>	±45°
<b>3 dB Beamwidths</b>	E Plane 17° +/- 2° H Plane 65° +/- 5°
<b>Cross Polar Discrimination</b>	>30dB
<b>Beam Tilt Options</b>	Electrical up to 15° (Please specify at time of order)
<b>Intermodulation</b>	3rd Order -153dBc for 2 x Tx @ 43dBm
<b>Connection</b>	7/16 DIN Female
<b>Radome</b>	White ASA capped ABS, UV Resistant
<b>Housing</b>	Aluminium Alloy, Marine Grade 5083
<b>Lightning Protection</b>	Direct Grounded
<b>Mounting Brackets</b>	Options to be Ordered separately (see below)
<b>Weight</b>	12.5kg (without mounting brackets)
<b>Unpacked Dimensions</b>	1840mm x 400mm x 170mm
<b>Typical wind Load @ 45m/s</b>	593N
<b>Survival Wind Speed</b>	75m/s

#### Free Space Radiation Patterns

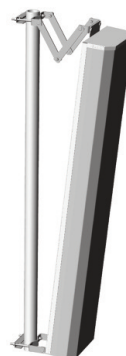
**H-Plane**



**E-Plane**



#### Mounting Accessories



**766.7010**  
Tilt Bracket  
Assembly  
0 - 12° for  
38-120mm  
dia. tube

**766.7020**  
Tilt Bracket  
Assembly  
0 - 22° for  
38-120mm  
dia. tube



**766.700**  
Fixed  
Bracket for  
38-120mm  
dia. tube