

FPA16-2.4V/2418

FLAT PANEL ANTENNA



Key Features

Flammability requirements in accordance with the London Underground Standard 'S1085'

Shock - BS EN 60068-2-27:2009

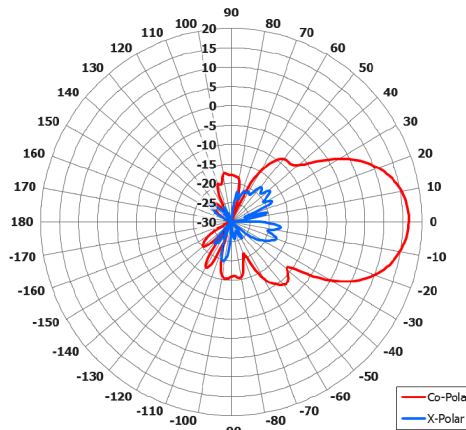
Vibration - BS EN 60068-2-64:2008

IP- BS EN 60529:1992+A2:2013

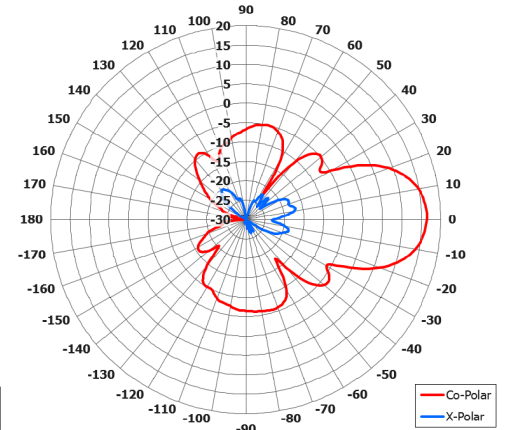
Temperature - BS EN 60068-2-2:2007

Solar Heat - BS EN 60068-2-5:2011

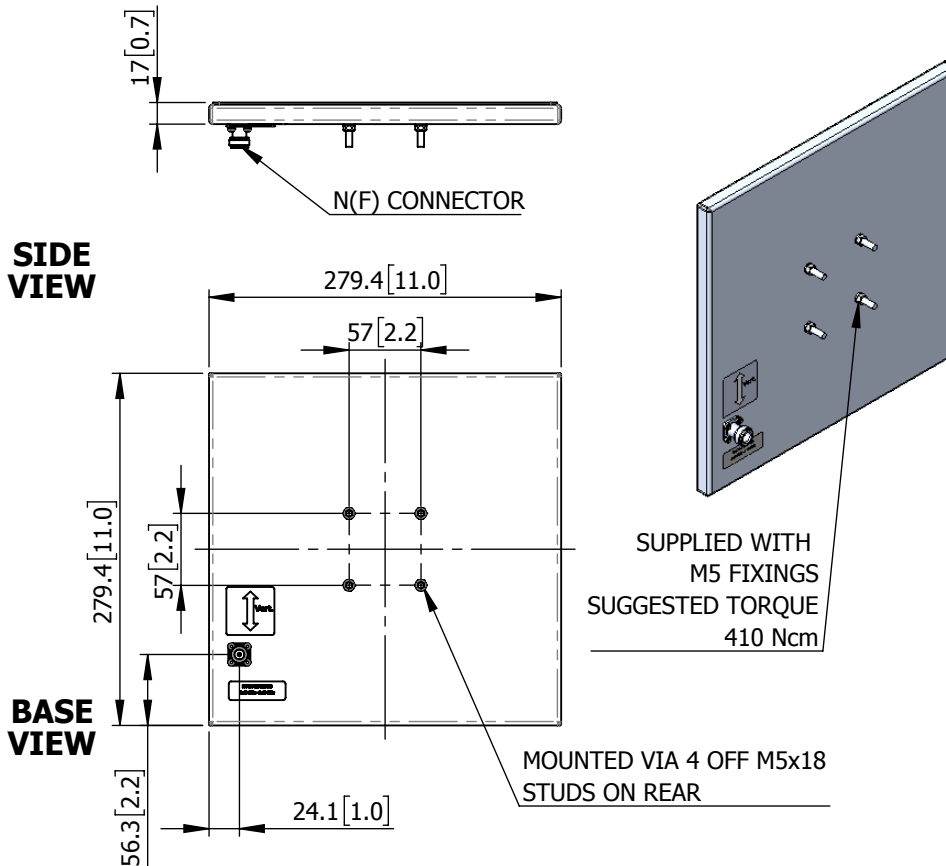
Humidity - BS EN 60068-2-30:2005



Azimuth Polar Plot



Elevation Polar Plot



ELECTRICAL

Frequency:	2.3 to 2.6 GHz
Gain:	16 dBi Nom
Polarisation:	Linear Vertical
Beamwidth:	28 x 26 deg approx
Cross Polar:	>20 dB Typ
VSWR:	<1.5:1 Typ 2:1 Max
Power Rating:	50W
Front to Back:	>30 dB Typ

MECHANICAL

Materials:	FR4 1.55 0/0 VT-42 Radome, Aluminium H30 or similar Housing
Standard Finish:	White Radome, Irridite Housing
Mass:	1 Kg without mount, 1.25 Kg inc. mc
Temperature:	-40 to +70 deg C
Wind Loading:	112 N @ 100 mph
Assembly Details:	EA11997rD

MOUNTING OPTIONS

Kits Available:	Mounted Via M5 Studs on Rear Optional Mounting Bracket MK17
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See Separate Data Sheets - MK17

DS: 2418-2 Issued: 070917

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