

12 - 18 GHz Linearly Polarised 10 dBi Horn Antenna fitted with an N type Connector

Catalogue number **QSH-SL-12-18-N-10**

Steatite reference **QMS-00206**

Contents **Summary**
Typical Gain / Antenna Factor
Typical Beamwidth / Patterns

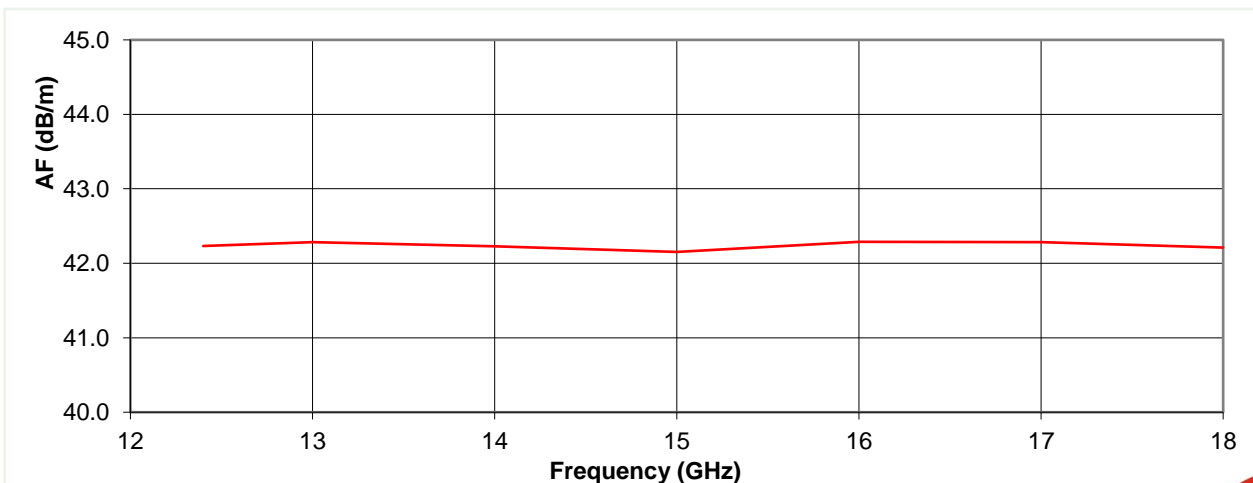
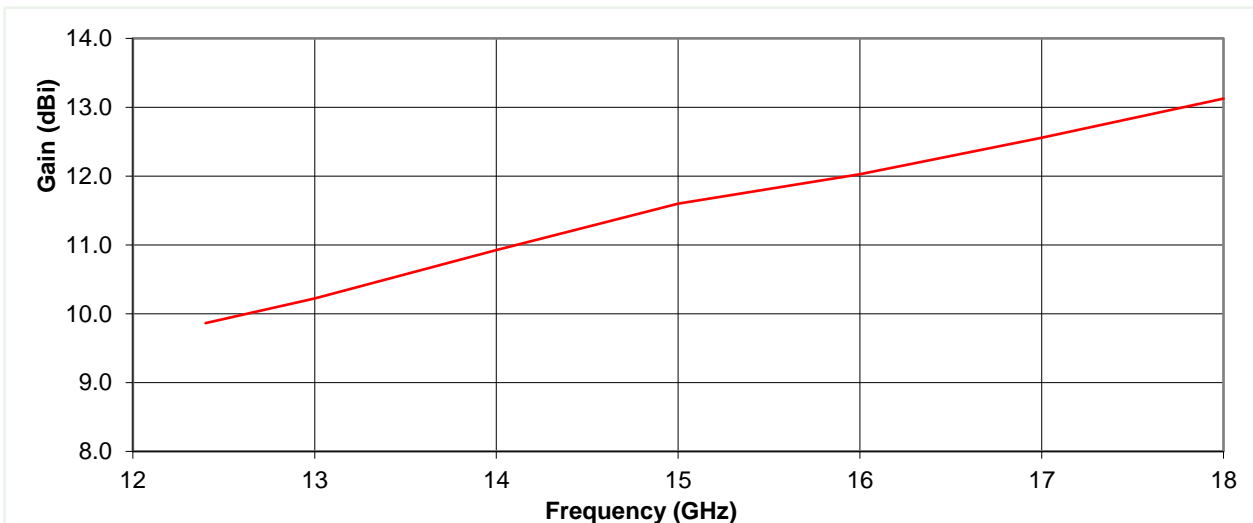


Typical Specification

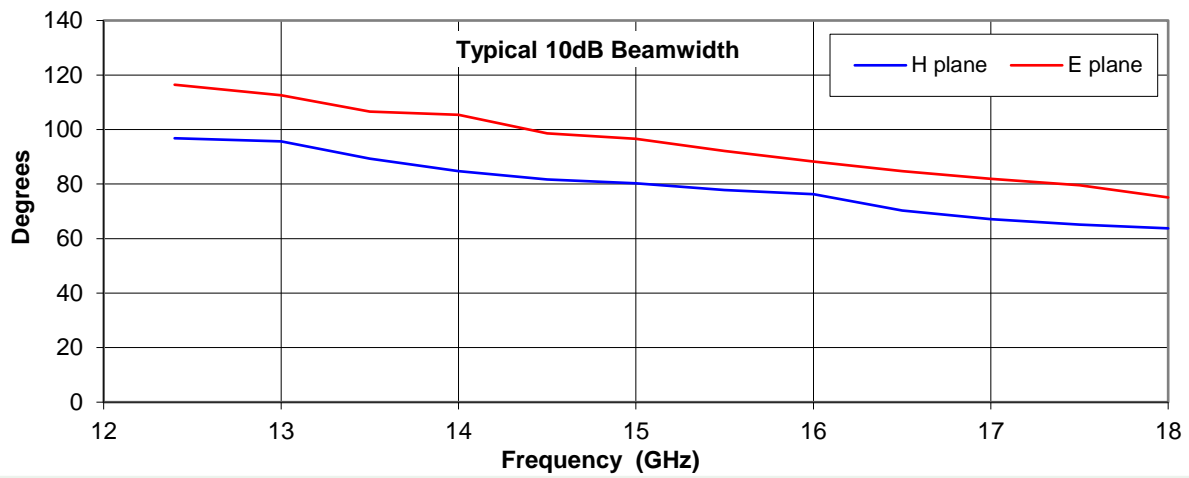
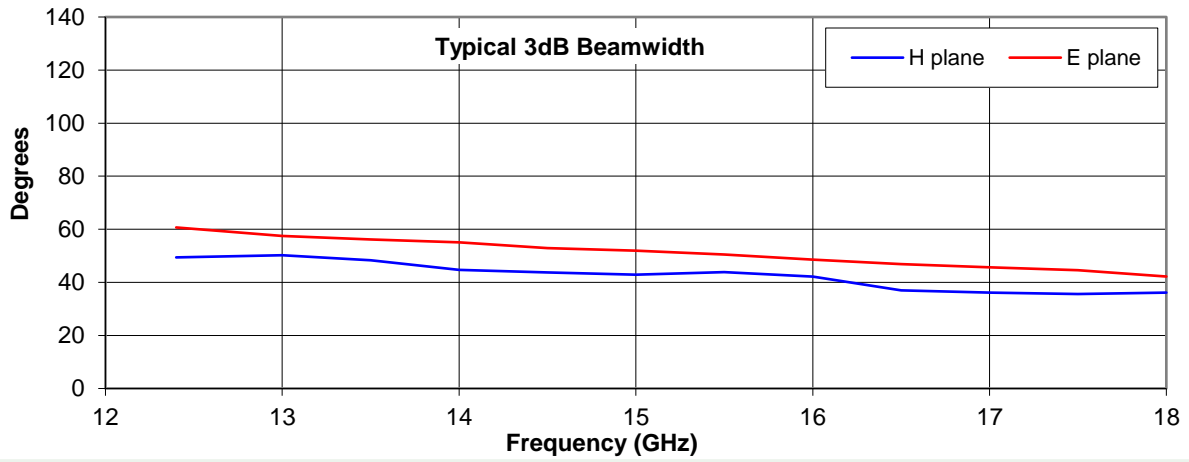
Frequency	12.4 to 18 GHz
Connector Type	N type jack
Power Handling	60 Watt c.w.
VSWR	< 1.6:1
Gain	9.9 to 13.1 dBi
Antenna Factor	42.2 to 55.3 dB/m
3dB Beamwidth	36 to 61 degrees
10dB Beamwidth	64 to 116 degrees
Weight	140 g nominal
Maximum Size	33 x 22 mm aperture x 64 mm long
Mounting	Rear mount plate with 4 holes, diameter 4.1 mm, 38 mm centres
Construction	Electroformed copper, painted. Anodised aluminium mount plate.

Typical Antenna Gain / Factor

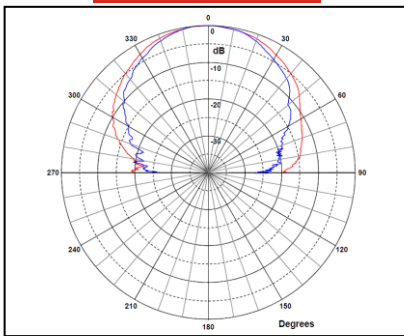
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



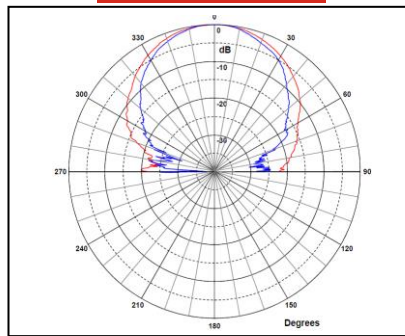
Typical Beamwidth / Radiation Patterns



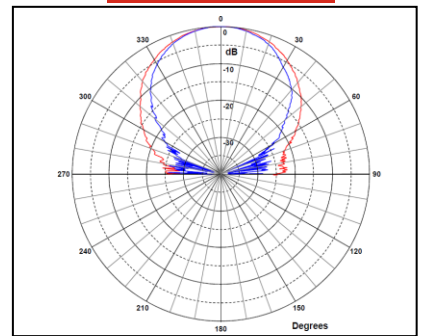
12.4 GHz



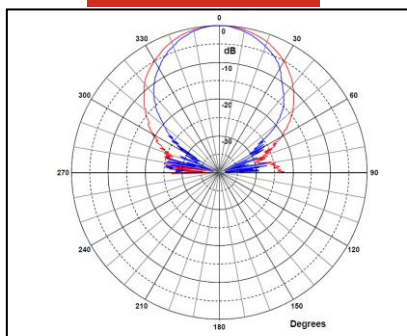
14 GHz



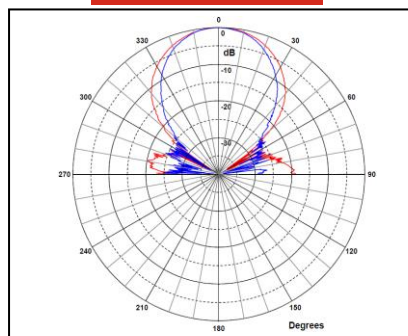
15 GHz



16.5 GHz



18 GHz



Red trace = E-plane, Blue trace = H-plane cut

