

0.6 m Aluminium Reflector & 8 - 12 GHz Feed fitted with a WR90 Flange and a Radome

Catalogue number **QSR-600-A-228 & QSF-SL-8-12-F-R**

Steatite reference **QMS-01040**

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



Photo for indication only

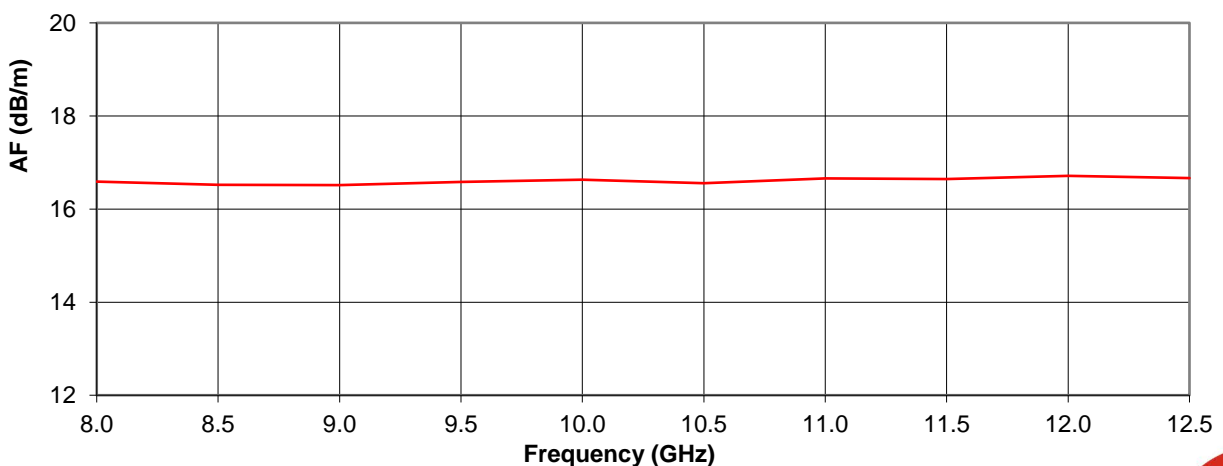
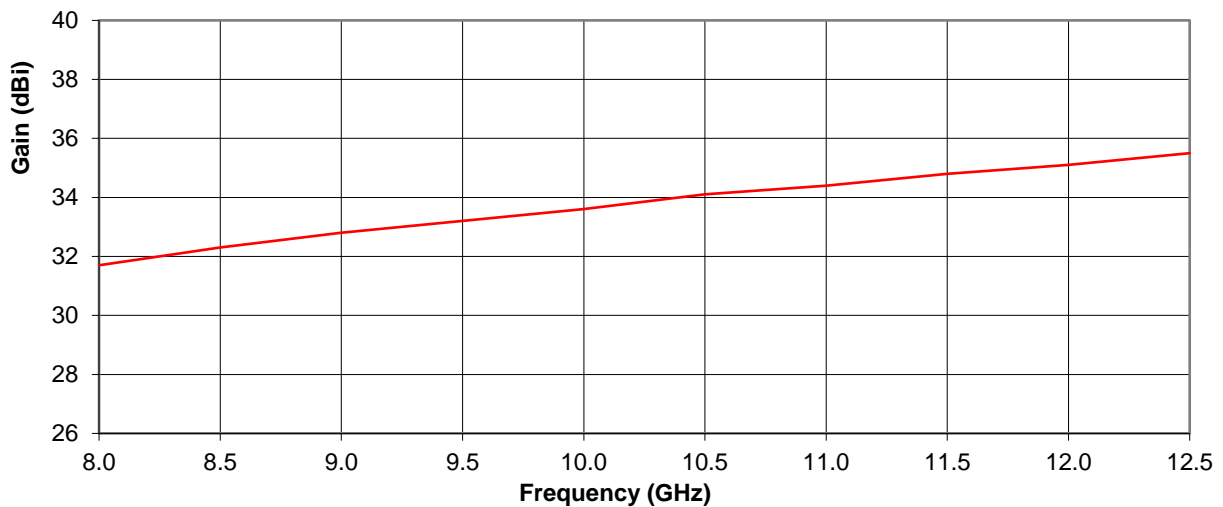


Typical Specification

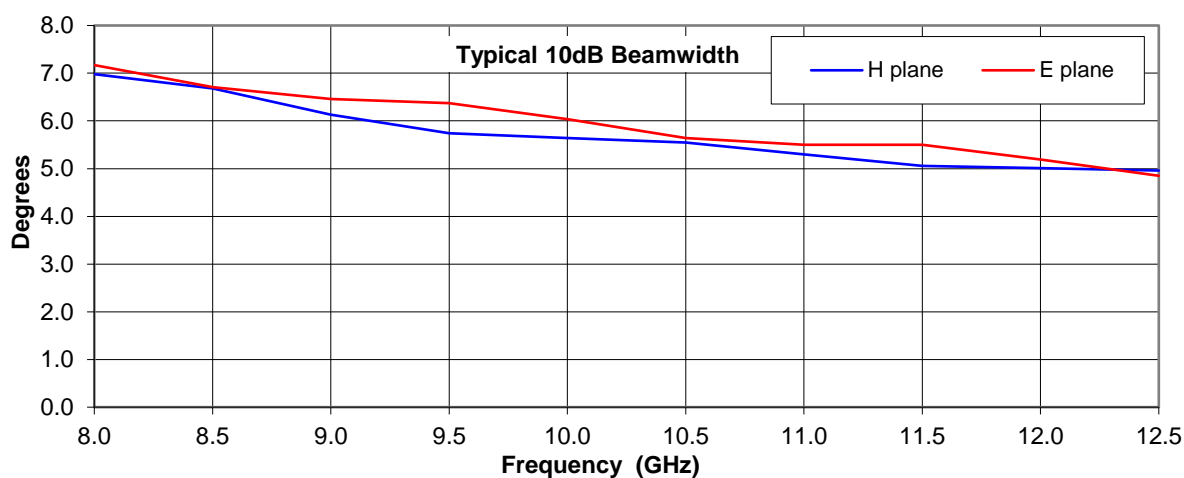
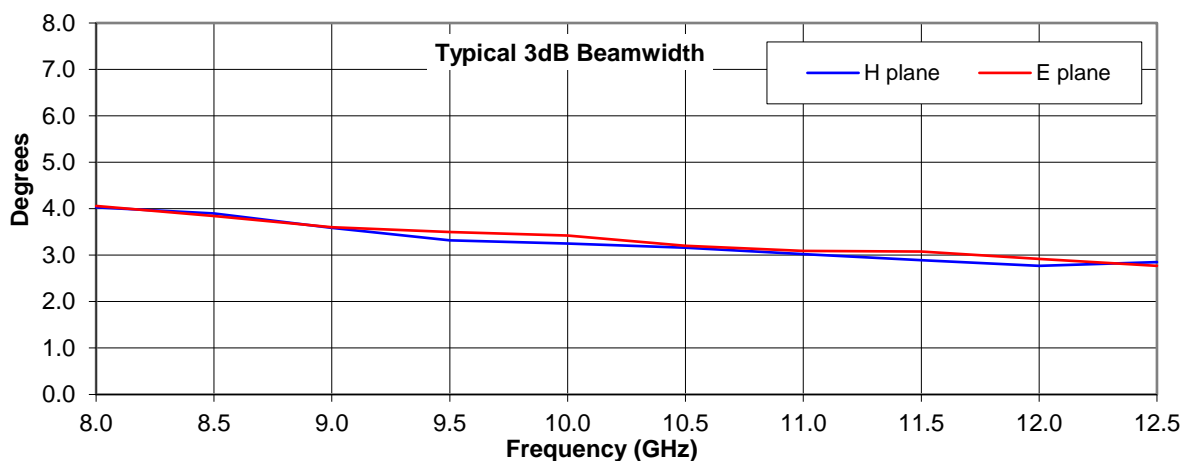
Frequency	8 to 12.5 GHz
Connector Type	WR90 (WG16) Waveguide Flange
Power Handling	760kW peak, 2.4kW mean
VSWR	Typically <1.5:1
Gain	31.7 to 35.5 dBi
Antenna Factor	16.5 to 16.7 dB/m
3dB Beamwidth	2.8 to 4.1 degrees
10dB Beamwidth	4.9 to 7.2 degrees
Weight	4.8 kg nominal
Maximum Size	Diameter 640 mm
Mounting	8 holes, tapped M6, 125 mm pitch circle diameter
Construction	Aluminium reflector, powdercoat finish. Composite brass / copper / plastic feed, painted.

Typical Antenna Gain / Factor

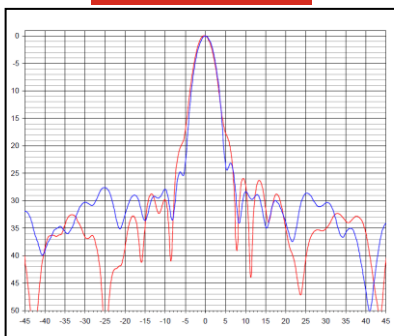
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



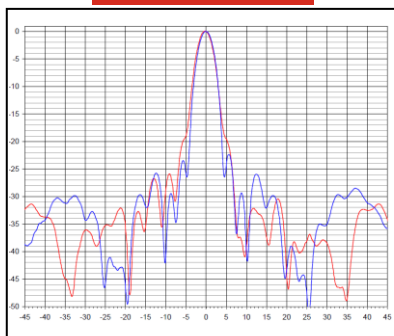
Typical Beamwidth / Radiation Patterns



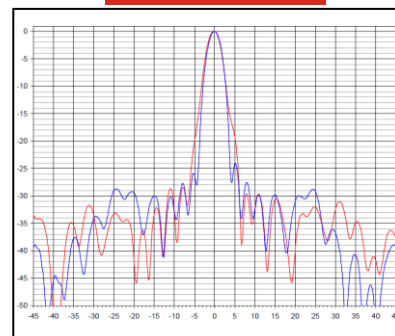
8 GHz



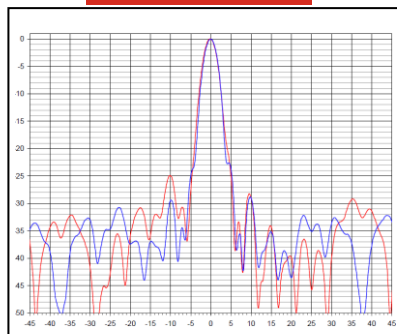
9 GHz



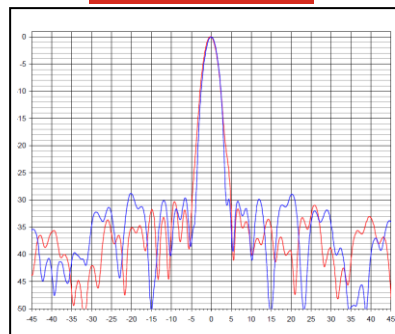
10 GHz



11 GHz



12 GHz



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

