

1.2 m Aluminium Reflector & 8-12 GHz Feed fitted with an SMA type Connector and Radome

Catalogue number **QSR-1200-A-457 & QSF-SL-8-12-S-R**

Steatite reference **QMS-00277**

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

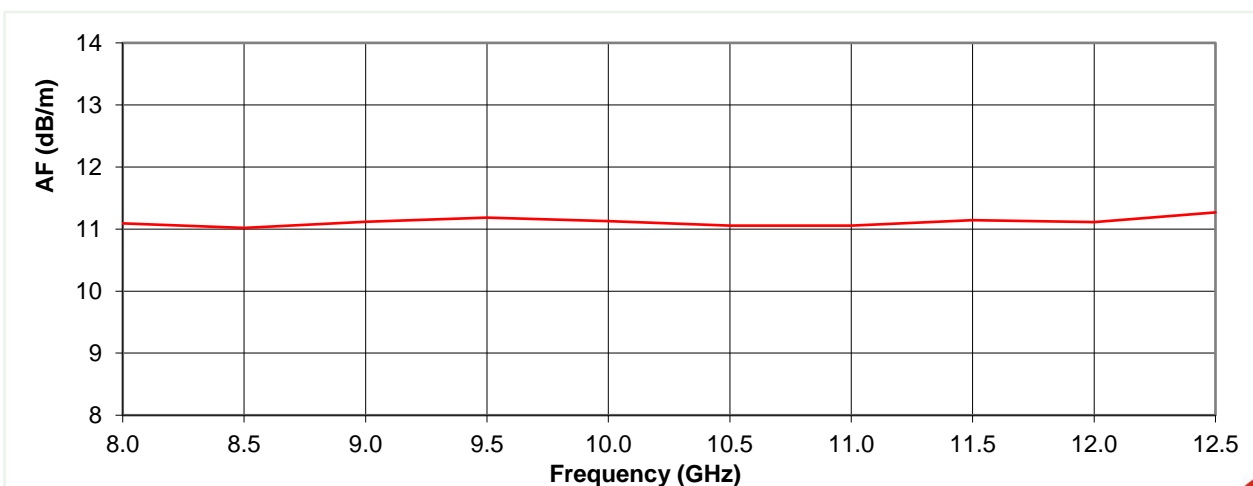
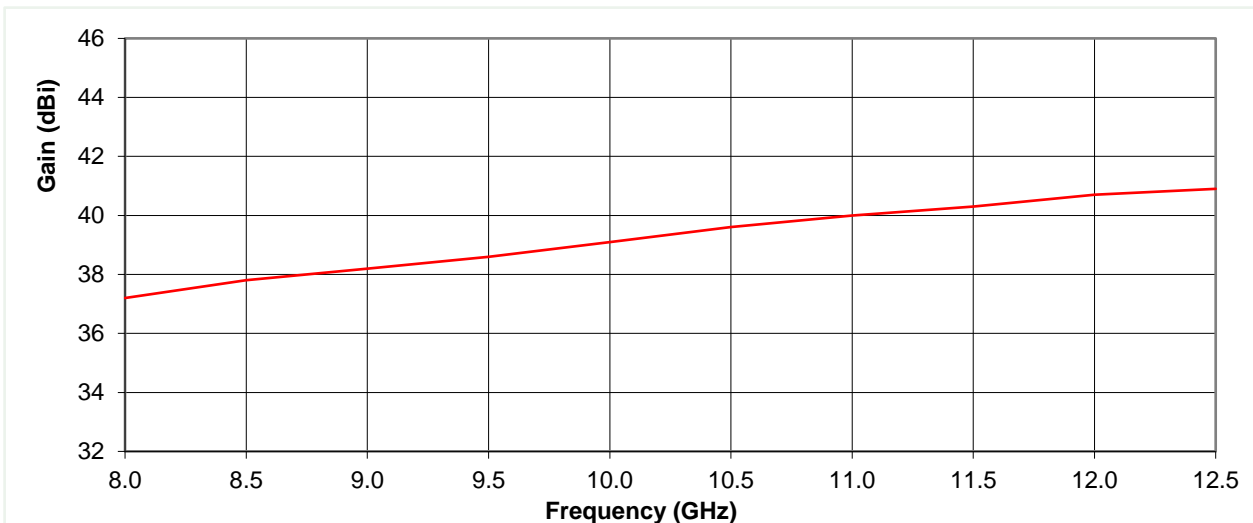


Typical Specification

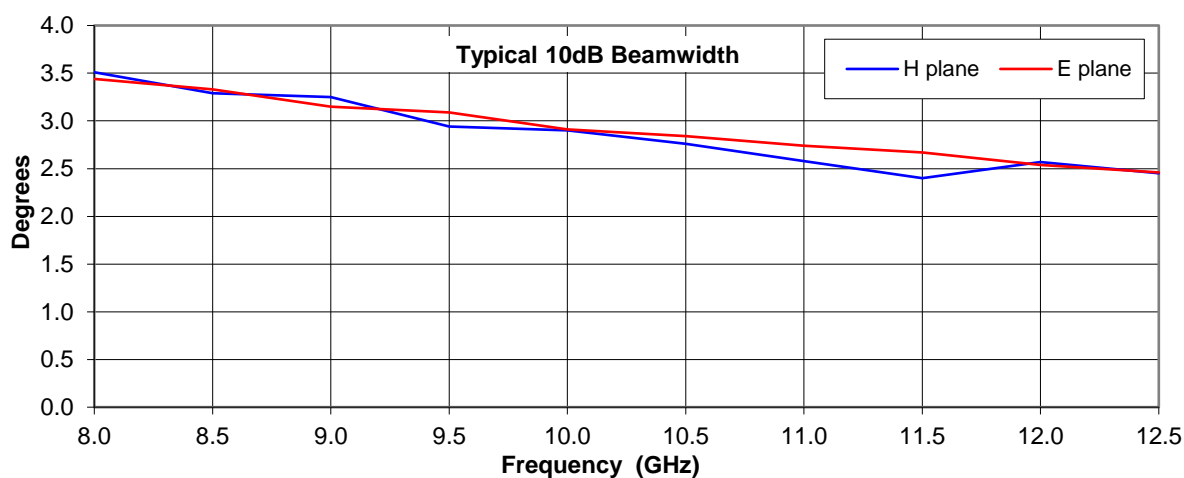
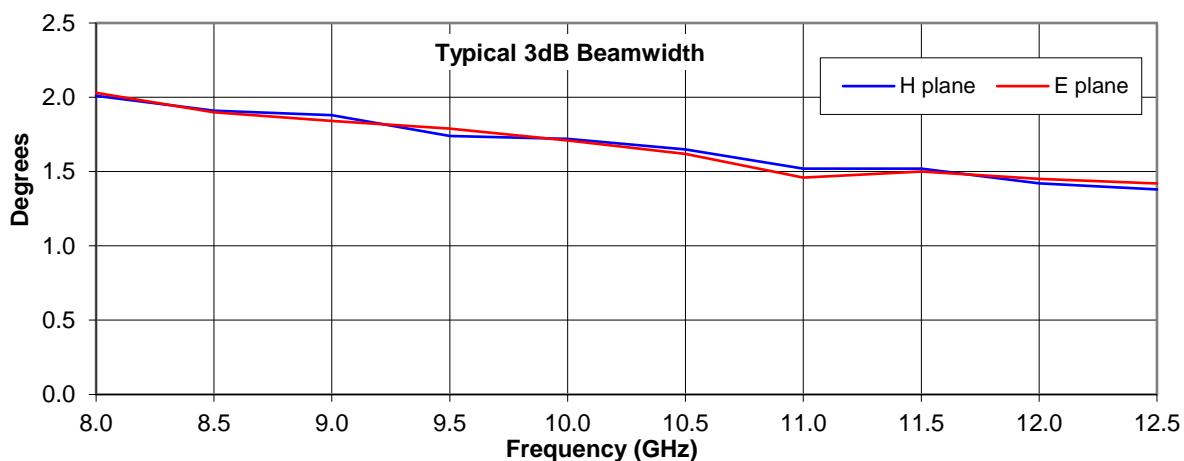
Frequency	8 to 12.5 GHz
Connector Type	SMA type jack
Power Handling	40 Watt c.w.
VSWR	Typically < 1.7:1
Gain	37.2 to 40.9 dBi
Antenna Factor	11 to 11.3 dB/m
3dB Beamwidth	1 to 2 degrees
10dB Beamwidth	2 to 4 degrees
Weight	12 kg nominal
Maximum Size	Reflector diameter 1230 mm max
Mounting	8 holes, tapped M6, 125 mm p.c.d.
Construction	Spun aluminium reflector. Powdercoat finish. Brass / Copper feed, painted.

Typical Antenna Gain / Factor

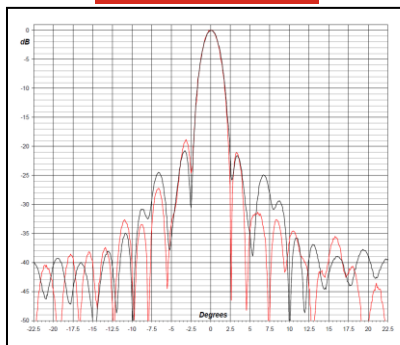
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



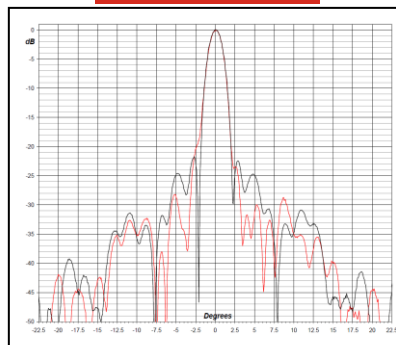
Typical Beamwidth / Radiation Patterns



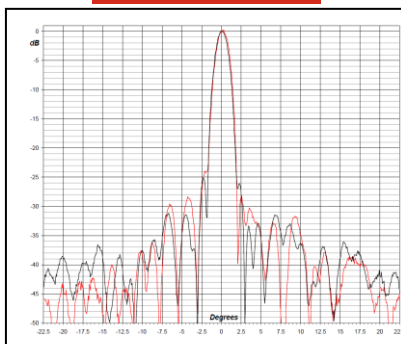
8.0 GHz



10.0 GHz



12.0 GHz



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

