



# **1.2 m Reflector Antenna**

## **8 to 12.4 GHz**

**WG16 WR90 R100 Feed**

Reflector catalogue number: **QSR-1200-A-457 & QSF-SL-8-12-S**

Q-par reference: **QMS-00277**

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

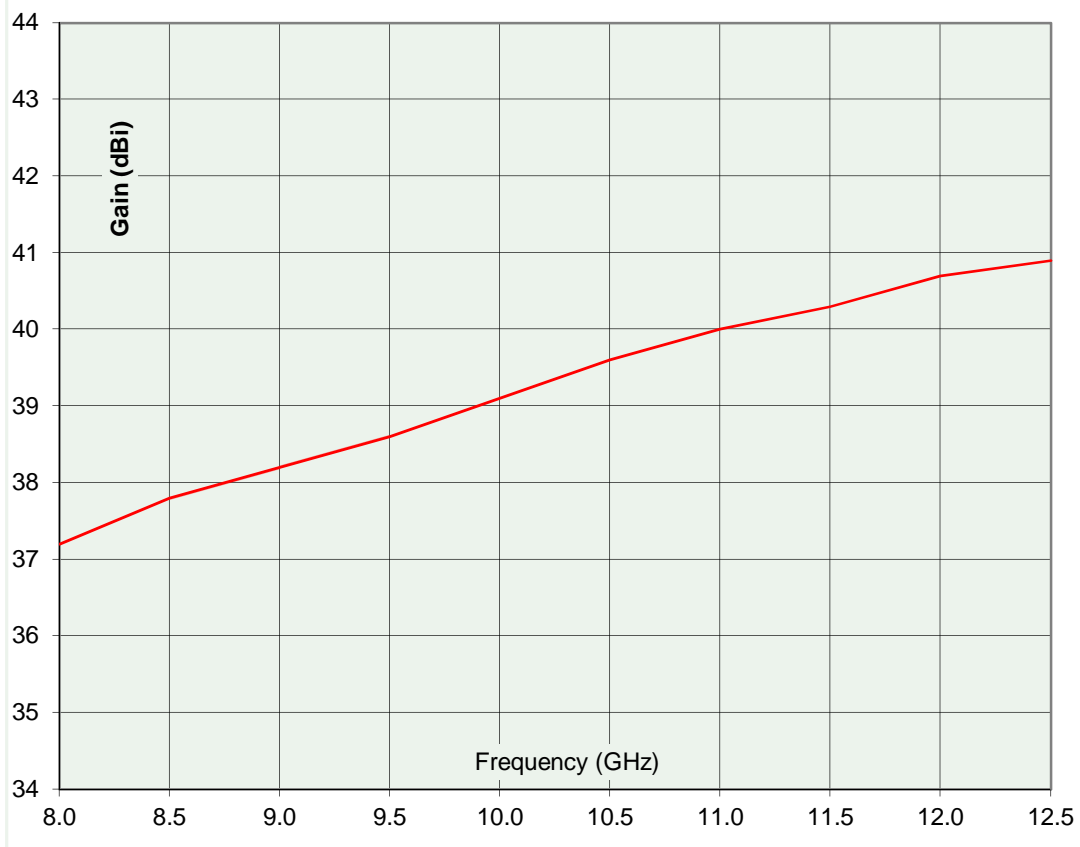


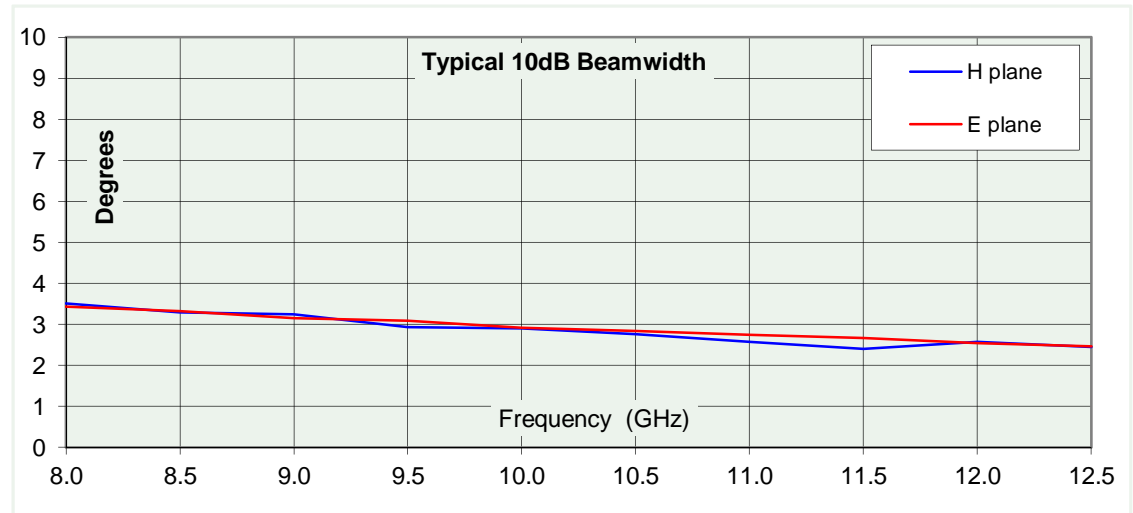
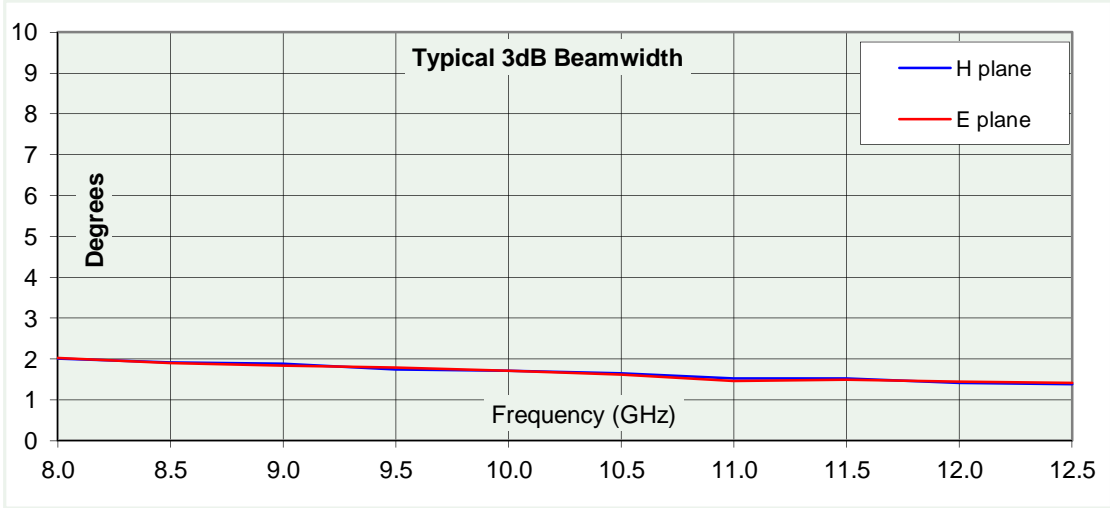
## Typical Specification

Frequency	8 to 12.4 GHz
Connector type	SMA type jack
Power Handling	40 Watt c.w.
VSWR	Typically < 1.7:1
Gain	37 to 41 dBi
3dB Beamwidth	1.4 to 2 degrees
10dB Beamwidth	2.4 to 3.5 degrees
Weight	12 kg nominal
Focal Length	457 mm
F/D	0.38
Size- max.	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

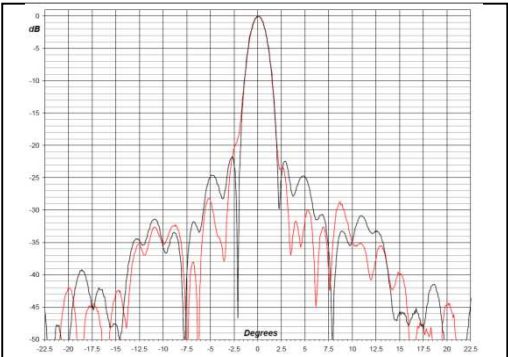
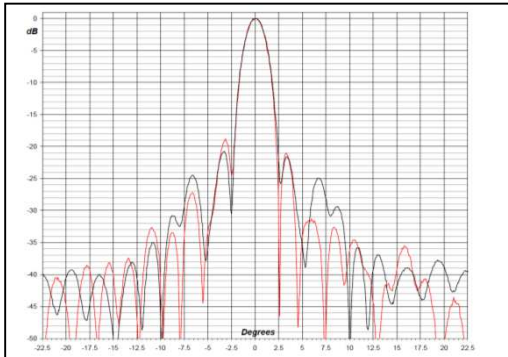
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



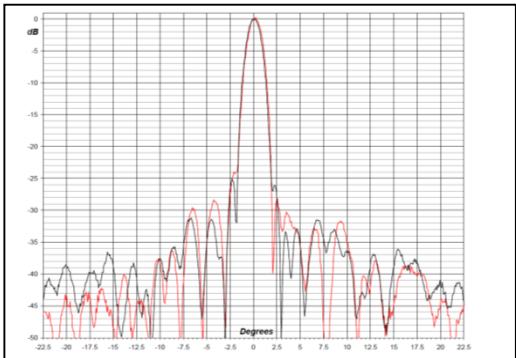


8.0 GHz

10.0 GHz



12.0 GHz



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