

1.2 m Aluminium Reflector & 18 - 40 GHz Dual Polar Wideband Feed fitted with K type Connectors and a Radome

Catalogue number **QSR-1200-A-457 & QWF-DL-18-40-K-R**

Q-par reference **QMS-00272**

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



Typical Specification

Frequency	18 to 40 GHz
Connector Type	2 x K-type (2.92 mm) jack
Power Handling	40 Watt c.w.
VSWR	Typically < 2:5 (3:1 max)
Gain	44 to 48.7 dBi
Antenna Factor	11.2 to 13.5 dB/m
3dB Beamwidth	0.5 to 1 degree
10dB Beamwidth	1 to 2 degrees
Weight	12 kg nominal
Maximum Size	Reflector diameter 1240 mm
Mounting	8 holes, tapped M6, 125 mm pitch circle diameter
Construction	Aluminium and engineering plastics
Isolation	Typically >25 dB between ports

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.



