23 - 42 GHz Vertically Polarised Omnidirectional Antenna fitted with a K type Connector and Radome

Catalogue number QOM-SL-23-42-K-R

Steatite reference QMS-01018

Contents Summary Typical Gain / Antenna Factor Typical Patterns



QQD06-2 V7.3

BP 23/10/2019 8521

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A SOLID STATE COMPANY ISO 9001 : 2015

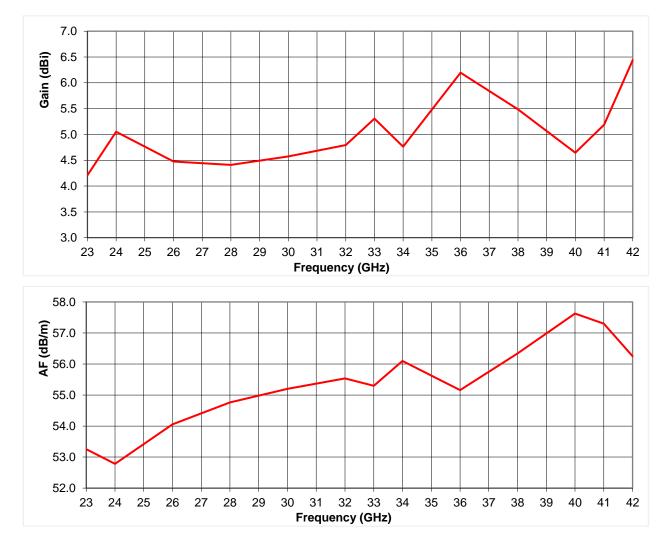
REGISTERED OFFICE: 2 RAVENSBANK BUSINESS PARK, HEDERA ROAD, REDDITCH, WORCESTERSHIRE, B98 9EY REGISTERED IN ENGLAND:4403746. VAT REGISTRATION: GB880987759

Typical Specification

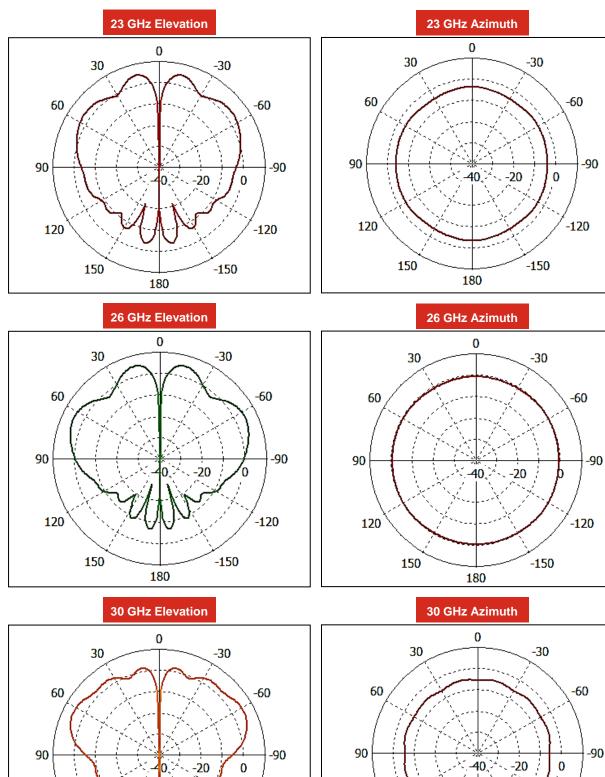
Frequency	23 to 42.5 GHz
Connector Type	K type (2.92 mm) jack
Power Handling	10 Watt c.w.
VSWR	≤ 2.0:1 (23.5 - 42.5 GHz)
Gain	4.2 to 6.4 dBi
Antenna Factor	52.8 to 57.6 dB/m
3dB Beamwidth	8 to 43 degrees
10dB Beamwidth	13 to 106 degrees
Weight	30 g nominal
Maximum Size	Ø46mm x 28.4mm total length including connector.
Mounting	3 holes for M3 CSK PEEK Screws equispaced on Ø36mm PCD See ICD for more information.
Construction	Aluminium with Delrin radome, stainless steel connector and PEEK Fastners

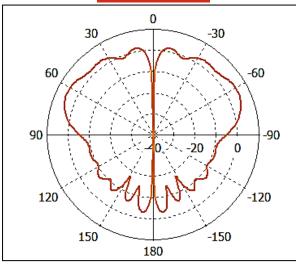
Typical Antenna Gain / Factor

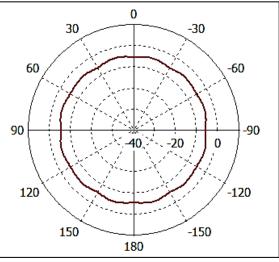
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.

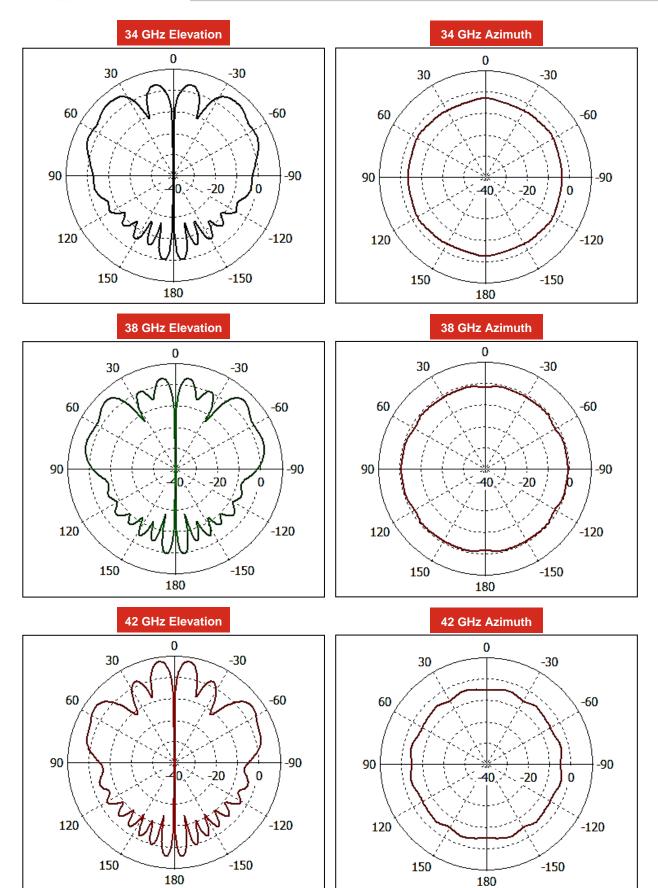


Typical Radiation Patterns









Steatite Antennas reserve the right to change and/or update this specification whereby it is deemed that this would improve either the production and/or performance specification/parameters of this antenna. Information herein should not be disclosed to a third party without the prior written consent of Steatite.