

6 - 10 GHz Right HandCircularly Polarised SpiralAntenna fitted with an SMAtype Connector

Catalogue number QSP-RC-6-10-S

Steatite reference QMS-00973

Contents Summary Simulated Gain Simulated Beamwidth / Patterns Simulated VSWR Draft Interface Control Drawing



QQD06-2 V7.3

STEATITE LIMITED (ANTENNAS) UNIT 15 CROFT BUSINESS PARK SOUTHERN AVENUE LEOMINSTER HEREFORDSHIRE HR6 QOF STEATITE LIMITED (HEADQUARTERS) RAVENSBANK BUSINESS PARK ACANTHUS ROAD REDDITCH WORCESTERSHIRE B98 9EX PDM 05/03/2019 5097



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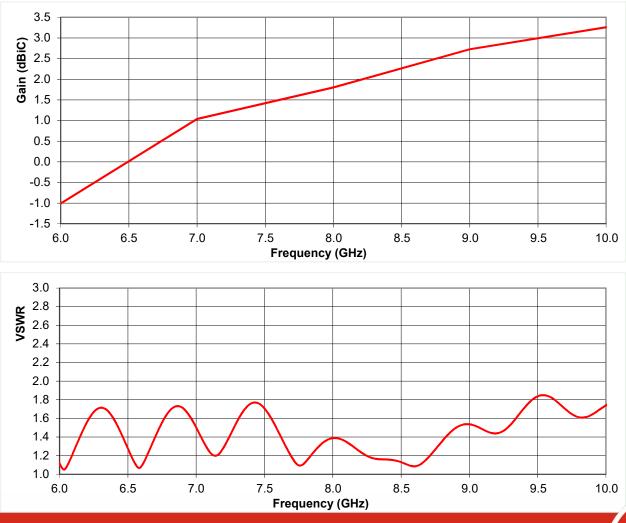


Typical Specification

Frequency	6 to 10 GHz
Connector Type	SMA Female
Power Handling	2W CW
VSWR	Typically <2:1
Gain	-1 to 3.3 dBi
Antenna Factor	46.1 to 47 dB/m
3dB Beamwidth	71 to 97 degrees
10dB Beamwidth	146 to 171 degrees
Weight	35g nominal
Maximum Size	25mm Diameter by 40.5mm Length (excluding connector)
Mounting	4 x M3 mounting threads on a 20mm PCD (rear mount)
Construction	Aluminium housing and PTFE front face.

Simulated Antenna Gain / VSWR

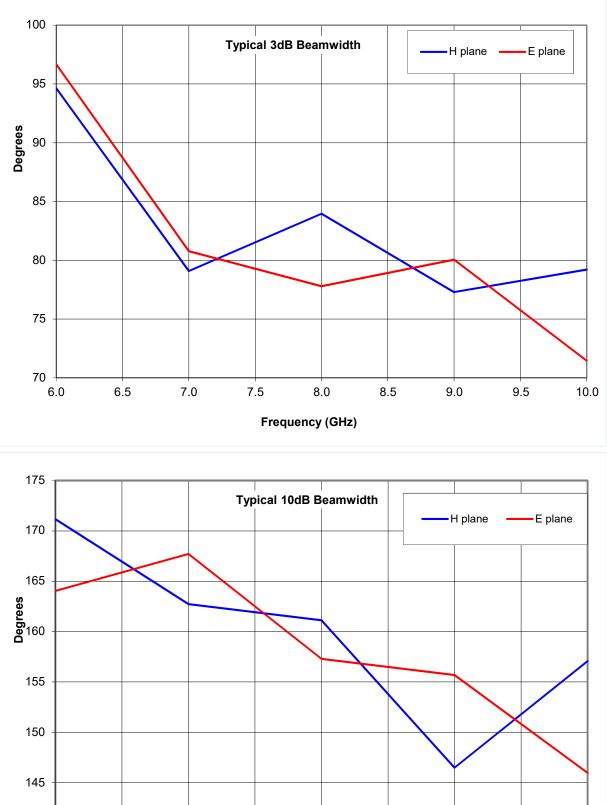
This is simulated using CST Microwaves Studio 2019 with results cross checked against known measurements.



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Simulated Beamwidth



140 <u>6.0</u> 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0

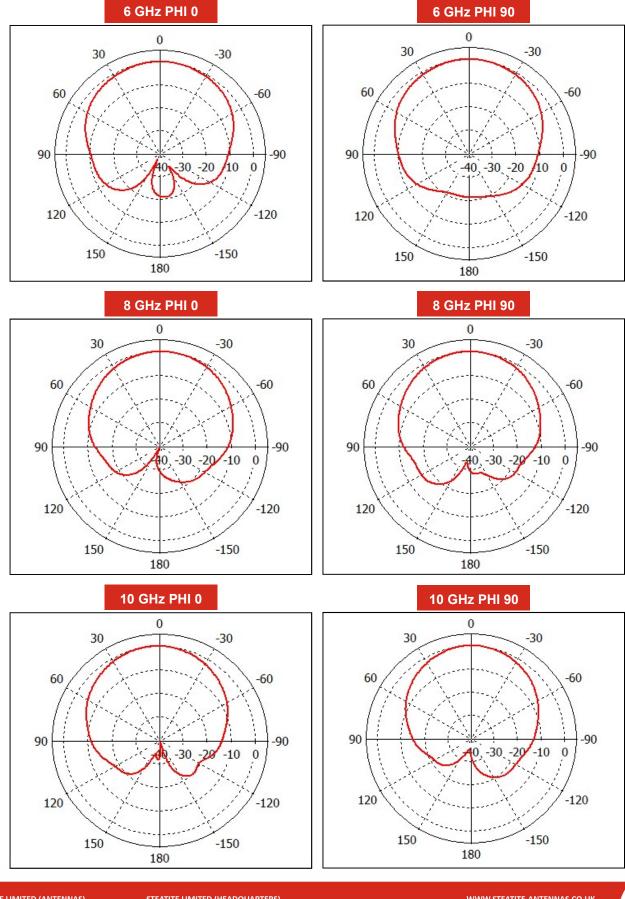
Frequency (GHz)

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Simulated Radiation Patterns



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