

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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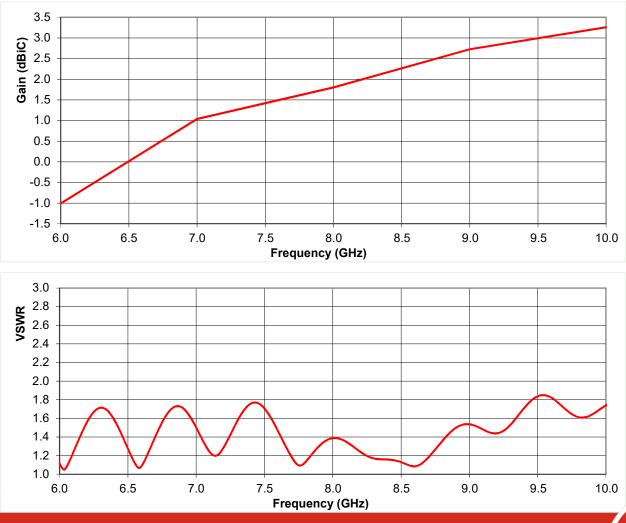


## **Typical Specification**

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

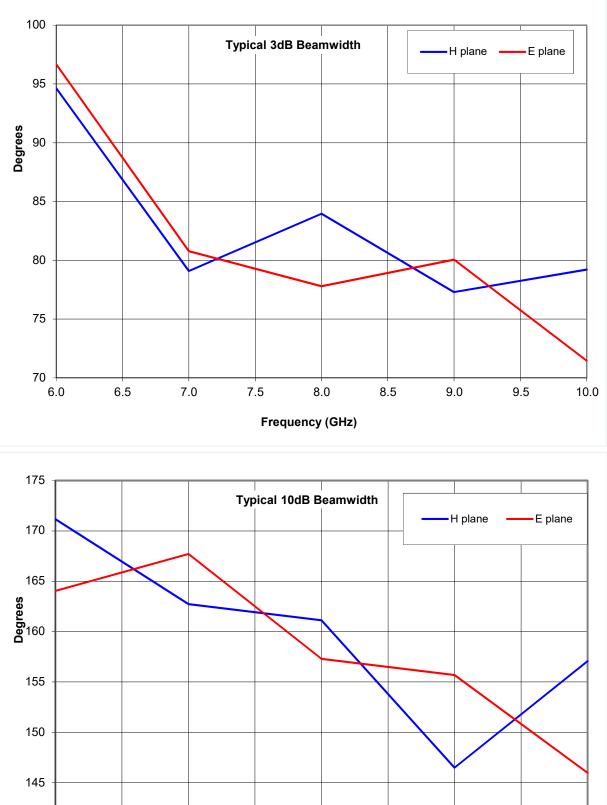
This is simulated using CST Microwaves Studio 2019 with results cross checked against known measurements.



STEATITE LIMITED (ANTENNAS) UNIT 15 CROFT BUSINESS PARK SOUTHERN AVENUE LEOMINSTER HEREFORDSHIRE HREFORDSHIRE HRF 0QF STEATITE LIMITED (HEADQUARTERS) RAVENSBANK BUSINESS PARK ACANTHUS ROAD REDDITCH WORCESTERSHIRE B98 9EX WWW.STEATITE-ANTENNAS.CO.UK A SOLID STATE GROUP COMPANY



## Simulated Beamwidth



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

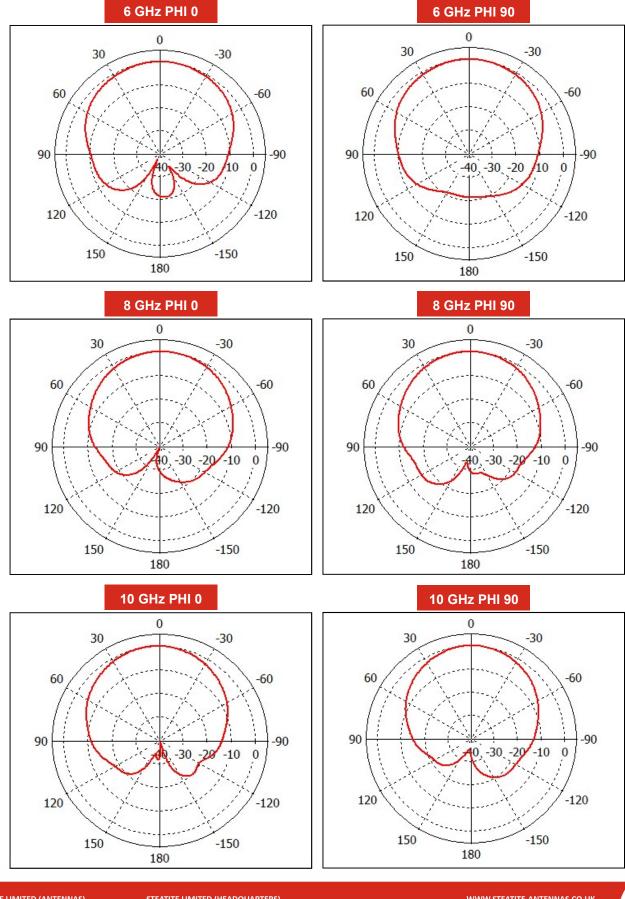
Frequency (GHz)

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## **Simulated Radiation Patterns**



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