

### Features

- Optimised Radome Design
- Operating frequency 27 to 29 GHz
- Omni-directional radiation pattern at horizontal plane
- High directivity at vertical plane
- 2.92 mm coaxial connectors



Figure 1. Photo of COCO Antenna

### RF Specifications

Parameter	Conditions	Unit	Min.	Typ.	Max.
Frequency	---	GHz	27		29
Return Loss	---	dB	10	---	---
Gain	---	dB	---	7.5	---
Cross Polarisation	---	dB	---	20	---
3dB Beamwidth	Horizontal	deg	---	360	---
	Vertical	deg	---	25	---

### Package Specifications

Parameter	Conditions	Unit	Specification
Horizontal and Vertical Ports	---	---	2.92 mm (K-type)
Antenna Type	---	---	Coaxial Co-linear (COCO)
Material	---	---	PCB
Weight	---	g	12
Dimension	Length	mm	66.5
	Width	mm	12.5
	Height	mm	12.5

## Typical Performances

### Return Loss

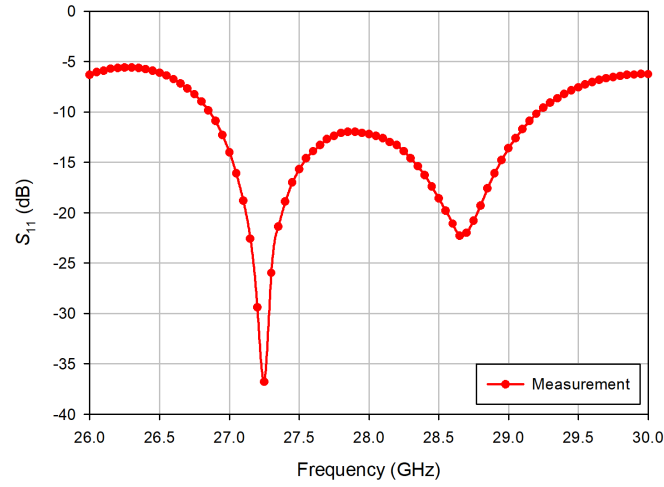


Figure 2. Return Loss

### Radiation Pattern

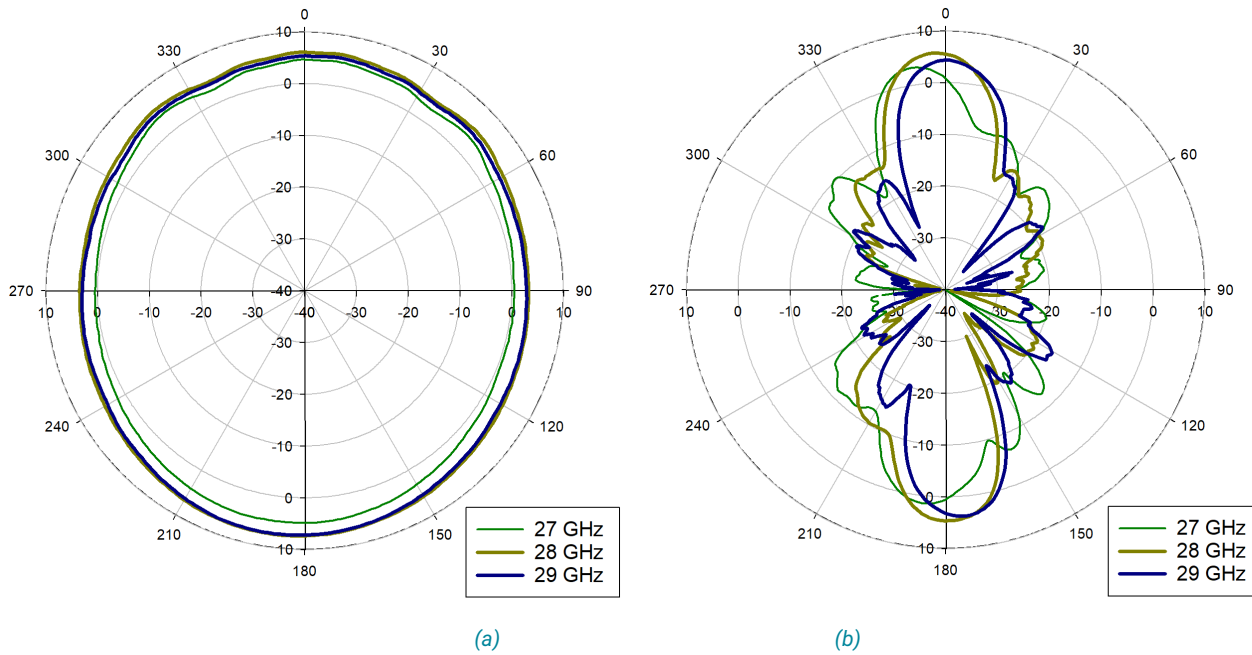


Figure 3. Gain at (a) horizontal (b) vertical plane

## Appearance



Figure 4. Appearance dimensions & Interface