

Fixed RFID Antennas - UHF RFID Application Single Circular Polarization, 860 MHz~960 MHz

FSC-06

■ Features

- Gain: 3 dBi Min
- VSWR: 1.5:1 Max
- 3dB Beamwidth: 70°
- Polarization: LHCP or RHCP
- Dimensions: 200×200×25mm
- Connector Type: SMA Female

■ Item Pictures



■ Description

EMW FSC-06 RFID antenna is a circularly polarized single fixed reader antenna for all RFID applications. High Gain (≥ 3 dBi) and broad beamwidth (70° Typical) increases read range while low VSWR ($\leq 1.5:1$) minimizes wasted power in reader systems. The antenna's light weight (0.5Kg) and small size (200×200×25 mm) are ideal for all RFID applications.

■ Electrical Characteristics

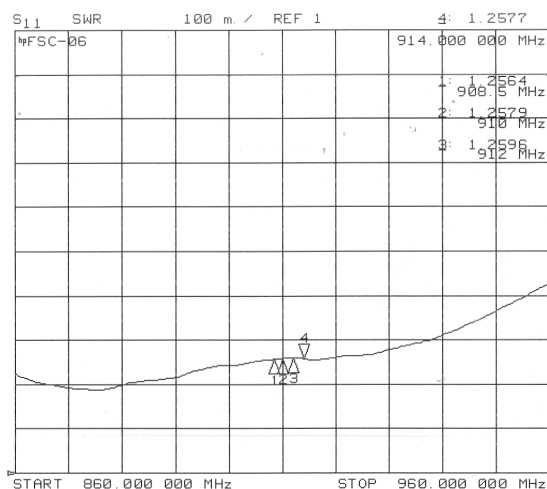
Frequency Range:	860 MHz ~ 960 MHz	908.5 MHz ~ 914 MHz
Polarization:	LHCP or RHCP	
Nominal Impedance:	50Ω	
Gain:	≥ 3 dBi	≥ 4.5 dBi
VSWR:	$\leq 1.5:1$	$\leq 1.3:1$
Axial Ratio:	< 3dB	
3dB Beamwidth:	70° Typical	

■ Physical Characteristics

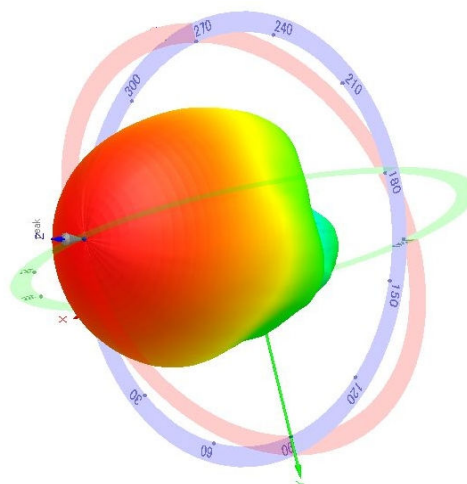
Dimensions(mm):	200×200×25
Weight(Kg):	0.5
Connector Type:	SMA-Female

■ Typical Performance Curves

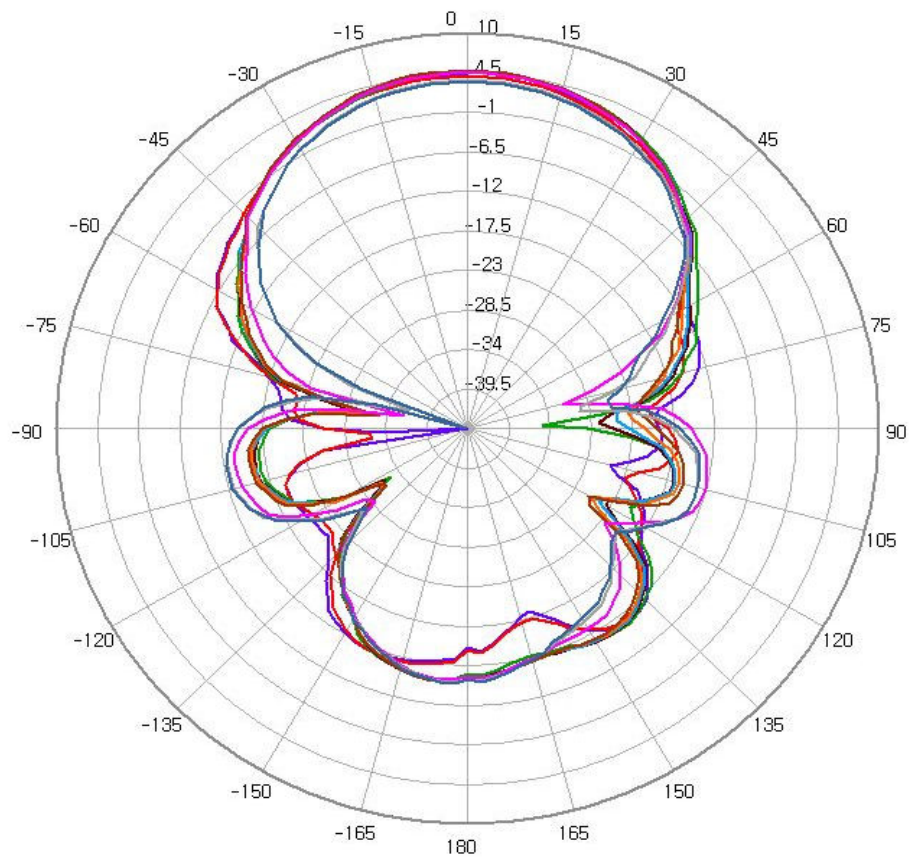
VSWR



3D Pattern

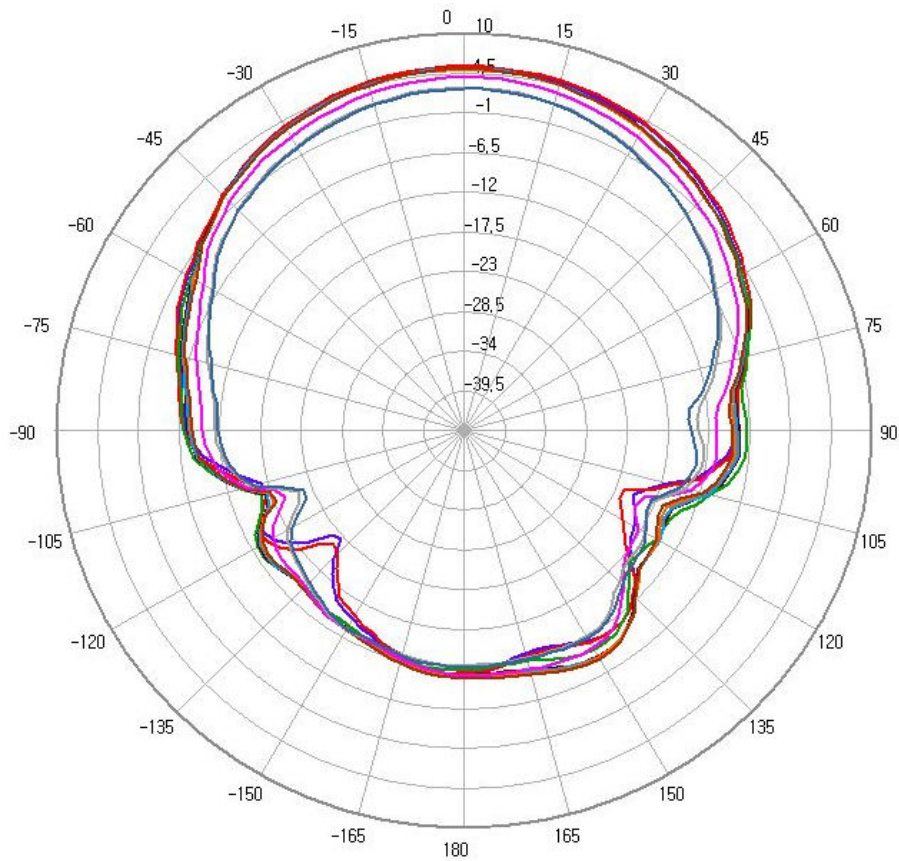


■ Radiation Pattern



Theta [deg]

Horizontal



Theta [deg]

Vertical

■ Radiation Pattern

