



*Bi-conical Antenna*  
*4 dBi Typ. Gain, 2-18 GHz Frequency Range*

## Biconical Antenna Data Sheet

**RM-BCA218-4**

### Features

- Ideal for Indoors and Outdoors
- Low VSWR
- Vertical Linear Polarization
- With Radome

### Descriptions

RF MISO's **Model RM-BCA218-4** is a vertical linear polarized biconical antenna that operates from 2-18GHz. The antenna offers a gain 4 dBi Typ. and low VSWR 1.5:1 with SMA-KFD connector. It designed for EMC, reconnaissance, orientation, remote sensing, and flush mounted vehicle applications. These helical antennas can be used as separate antenna components or as feeders for reflector satellite antennas.

### Specifications

RM-BCA218-4		
Parameters	Typical	Units
Frequency Range	2-18	GHz
Gain	4 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Vertical Linear	
Connector	SMA-KFD	
Material	Al	
Finishing	Gold Plated	
Size	104*70*70(L*W*H)	mm
Weight	0.139	kg

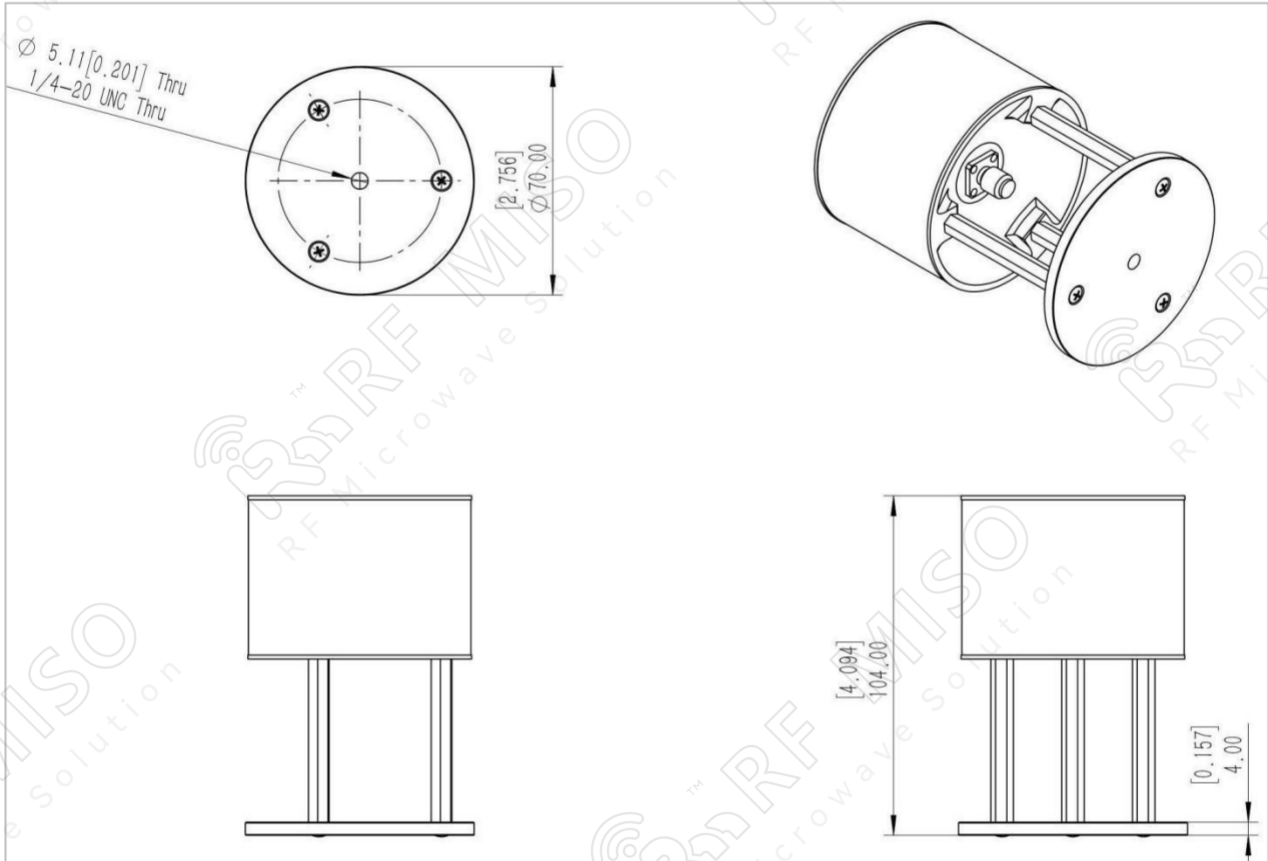


*Bi-conical Antenna*  
4 dBi Typ. Gain, 2-18 GHz Frequency Range

**Biconical Antenna Data Sheet**

**RM-BCA218-4**

**Outline Drawing**





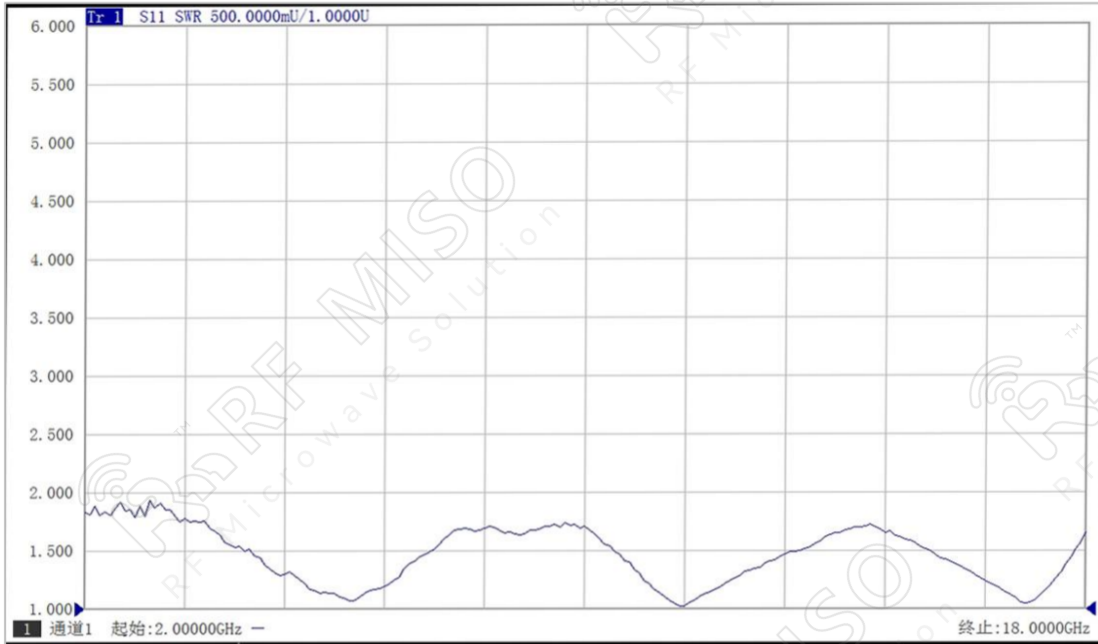
*Bi-conical Antenna*  
4 dBi Typ. Gain, 2-18 GHz Frequency Range

**Biconical Antenna Data Sheet**

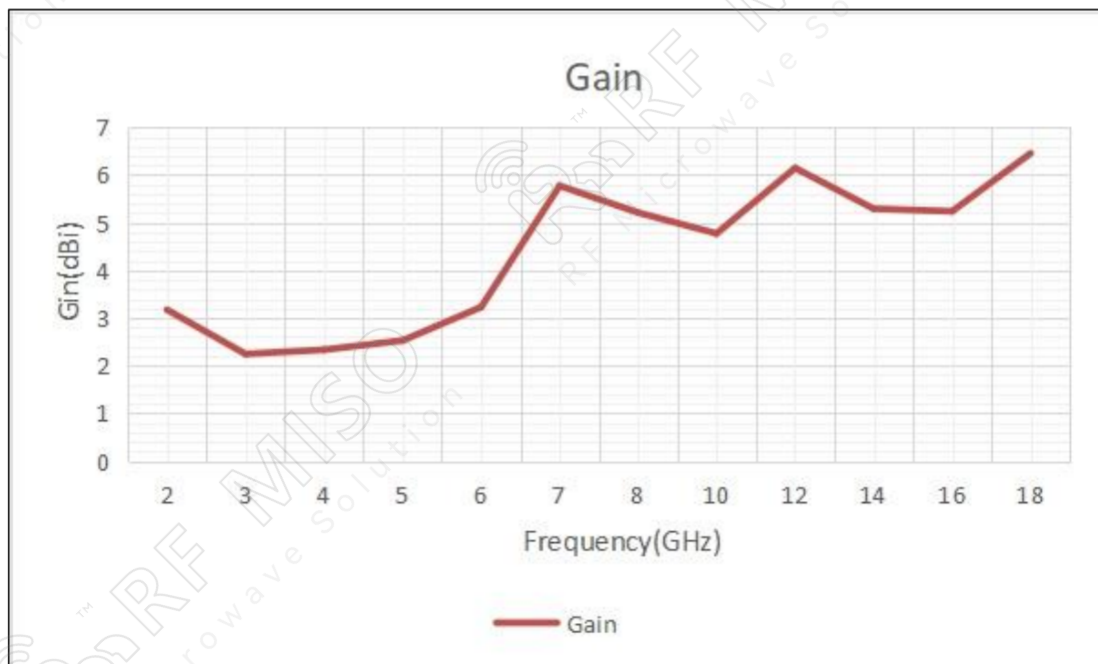
**RM-BCA218-4**

**Test Result**

**VSWR**



**Gain**



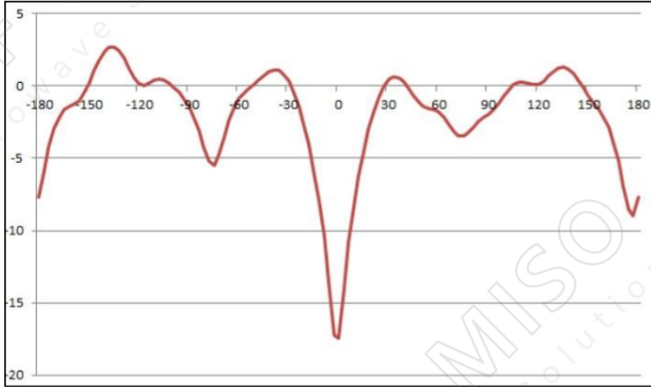


*Bi-conical Antenna*  
4 dBi Typ. Gain, 2-18 GHz Frequency Range

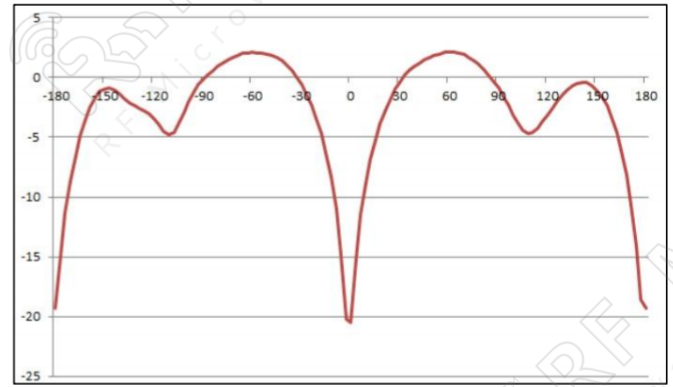
**Biconical Antenna Data Sheet**

**RM-BCA218-4**

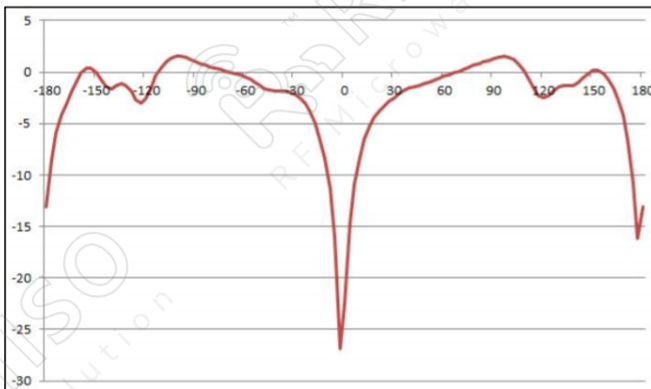
**Gain Pattern**



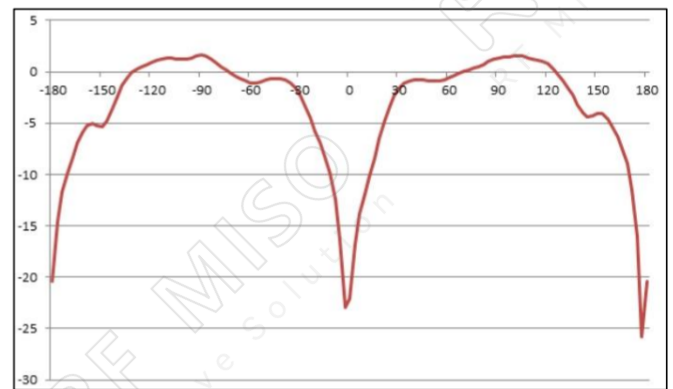
2GHz



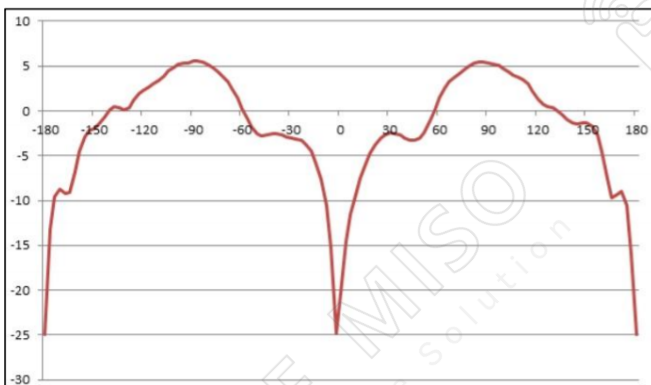
3GHz



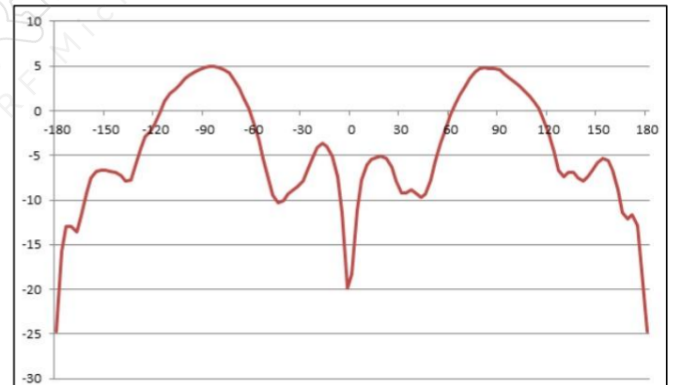
4GHz



5GHz



6GHz



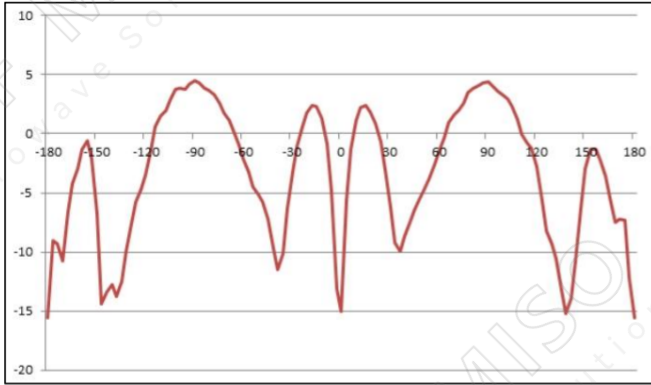
7GHz



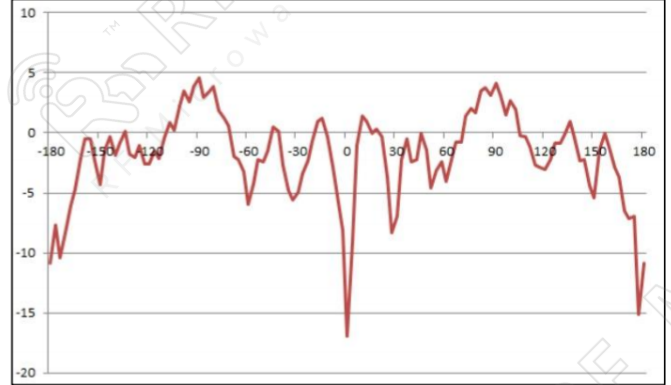
*Bi-conical Antenna*  
4 dBi Typ. Gain, 2-18 GHz Frequency Range

**Biconical Antenna Data Sheet**

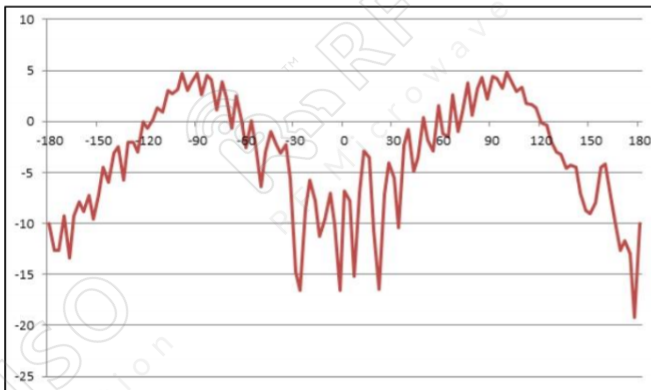
**RM-BCA218-4**



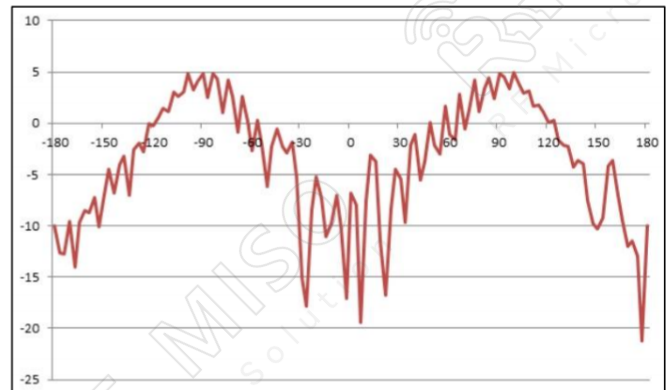
8GHz



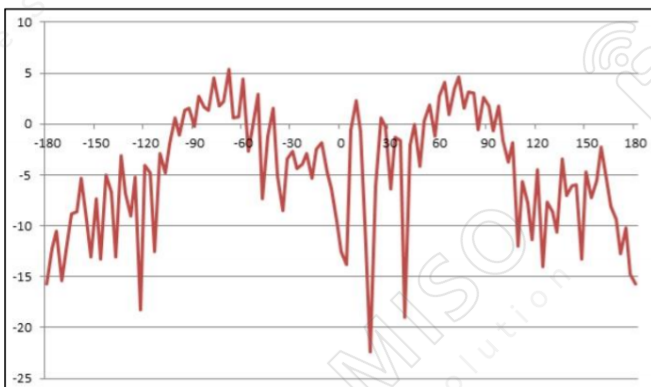
10GHz



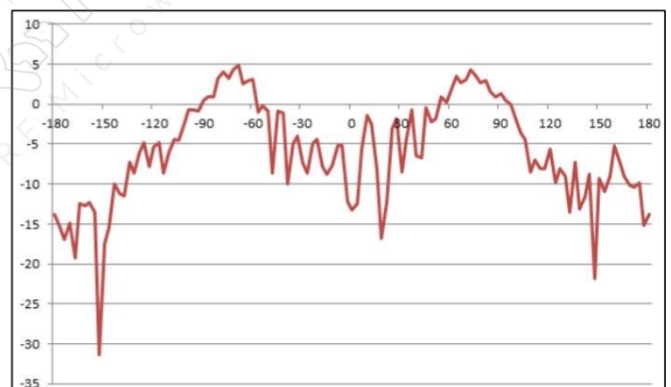
12GHz



14GHz



16GHz



18GHz