



*Broadband Horn Antenna*  
*10 dBi Typ. Gain, 1 GHz-6 GHz Frequency Range*

## Broadband Horn Antenna Data Sheet

**RM-BDHA16-10**

### Features

- Double-Ridge Waveguide
- Linear Polarization
- SMA Female Connector
- Mounting Bracket Included

### Description

The **RM-BDHA16-10** from RF MISO is a broadband gain horn antenna that operates from 1 to 6 GHz. The antenna offers a typical gain of 10 dBi and VSWR1.5:1 with an SMA Female coaxial connector. The antenna is used in a variety of applications such as microwave testing, satellite antenna testing, direction finding, surveillance, plus EMC and antenna measurements.

### Specifications

RM-BDHA16-10		
Item	Specification	Units
Frequency Range	1-6	GHz
Gain	10 Typ.	dBi
VSWR	1.5:1 Typ.	
Polarization	Linear	
Connector	SMA-Female	
Material	Al	
Surface Treatment	Paint	
Size(L*W*H)	160.87*160*120.8(±5)	mm
Weight	0.869	kg
Power Handling(cw)	50	w
Power Handling(peak)	100	w

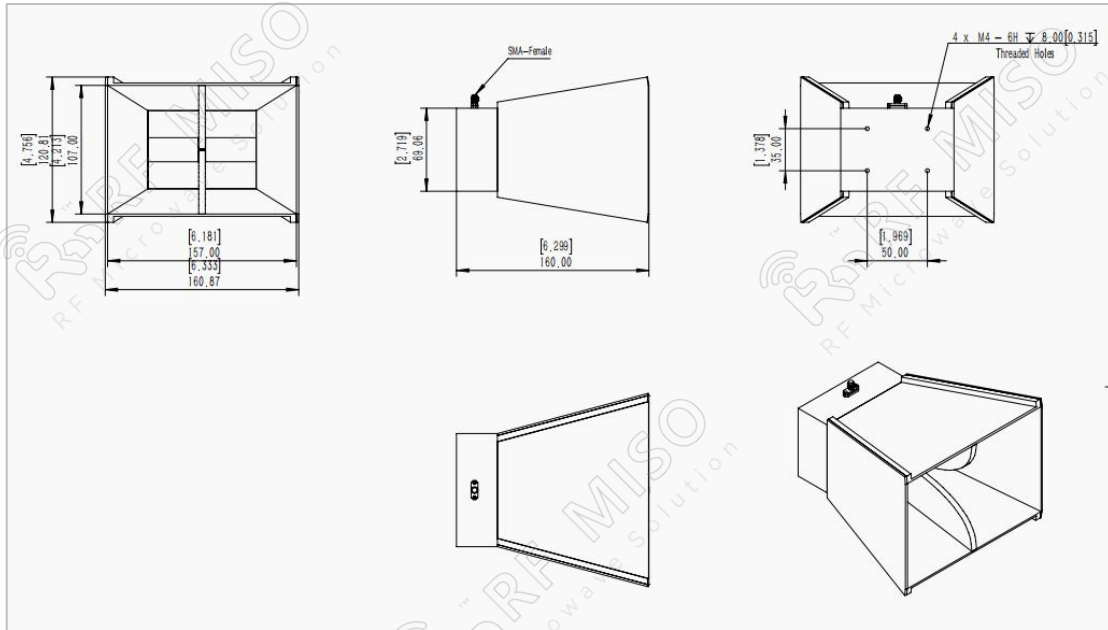


Broadband Horn Antenna  
10 dBi Typ. Gain, 1 GHz-6 GHz Frequency Range

**Broadband Horn Antenna Data Sheet**

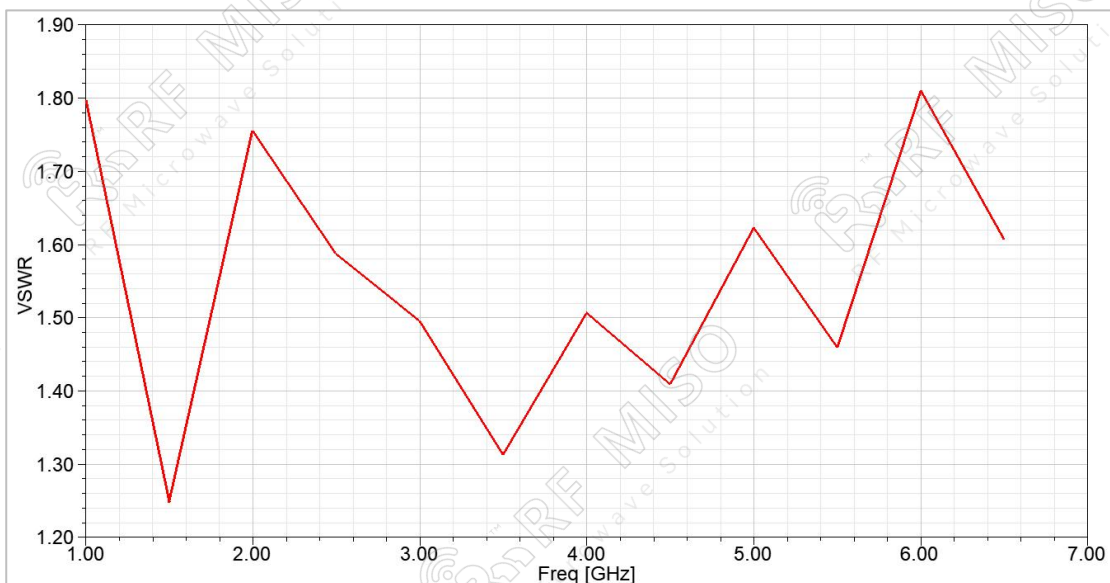
**RM-BDHA16-10**

**Outline Drawing (Size: mm)**



**Simulated Data**

**VSWR**



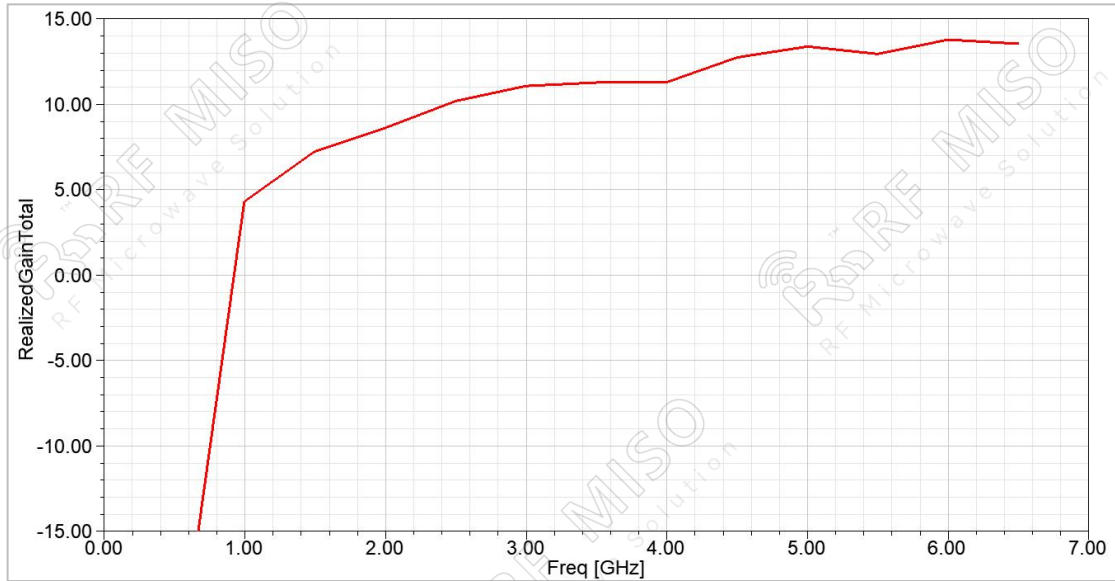


Broadband Horn Antenna  
10 dBi Typ. Gain, 1 GHz-6 GHz Frequency Range

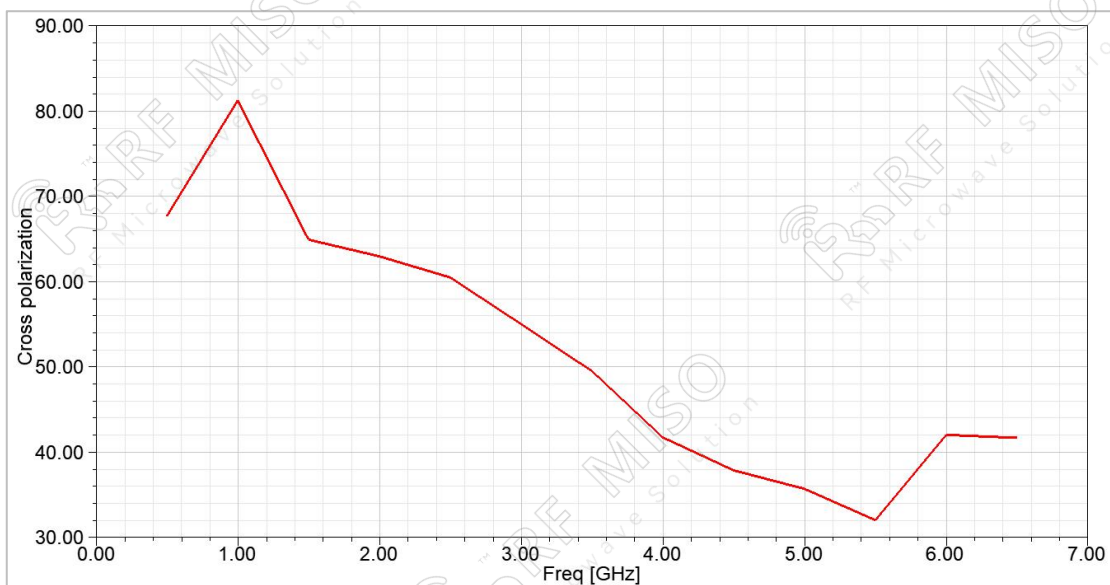
**Broadband Horn Antenna Data Sheet**

**RM-BDHA16-10**

Gain



Cross Polarization



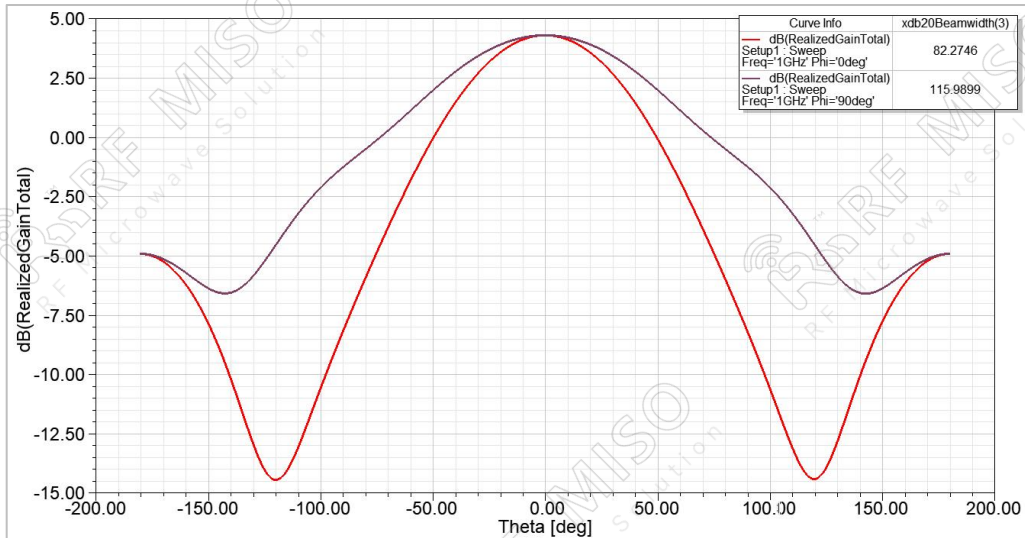


Broadband Horn Antenna  
10 dBi Typ. Gain, 1 GHz-6 GHz Frequency Range

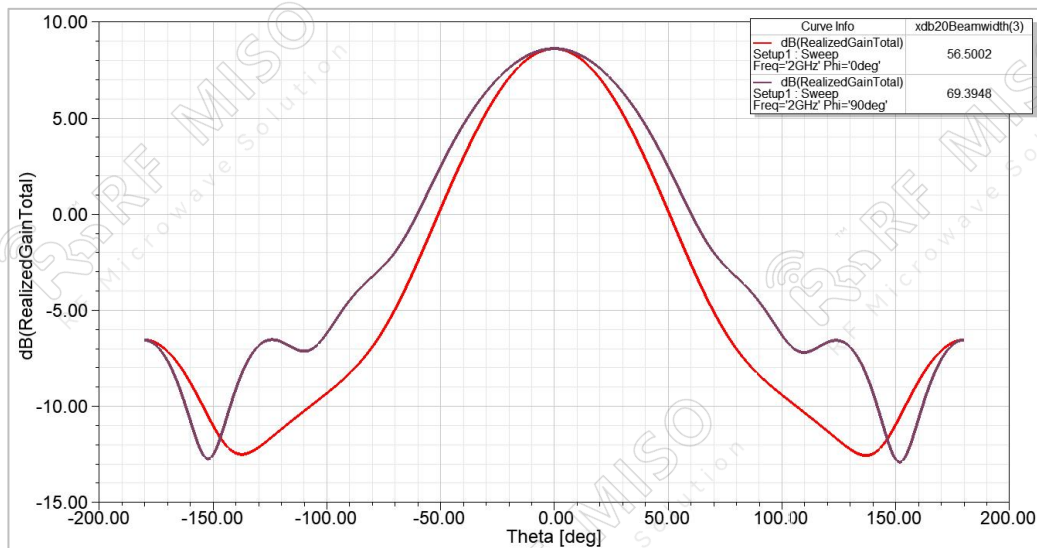
**Broadband Horn Antenna Data Sheet**

**RM-BDHA16-10**

**Gain Pattern**



1 GHz



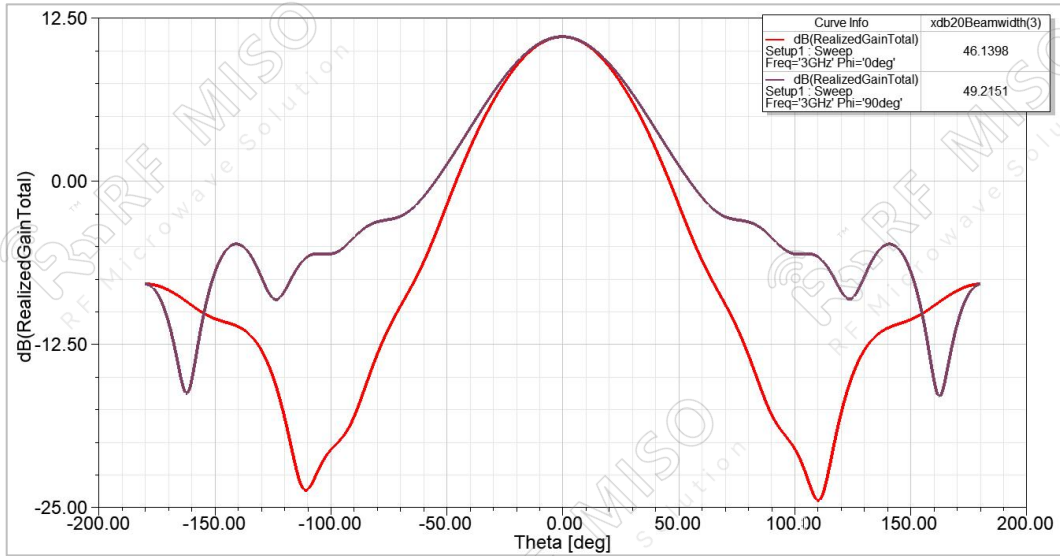
2 GHz



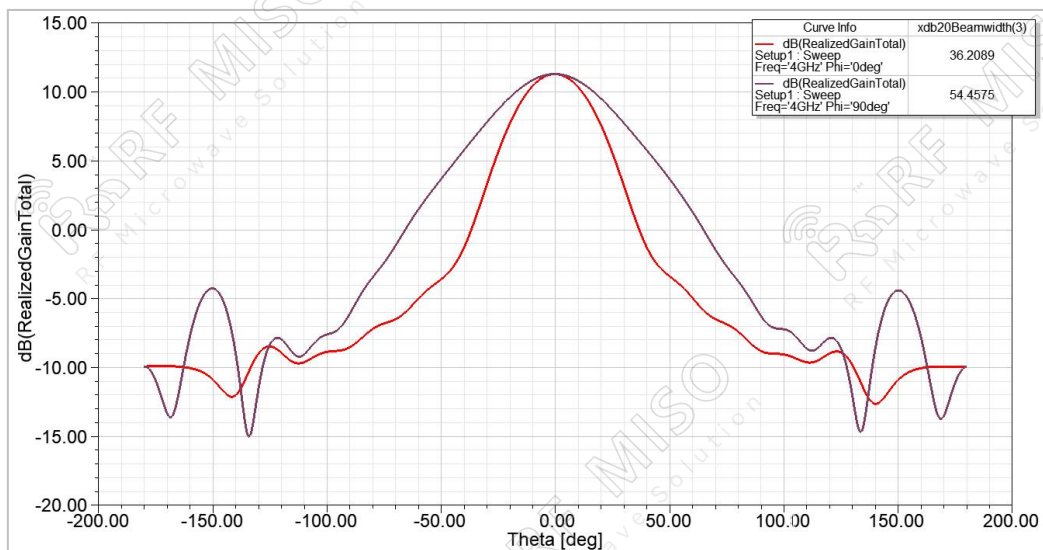
Broadband Horn Antenna  
10 dBi Typ. Gain, 1 GHz-6 GHz Frequency Range

**Broadband Horn Antenna Data Sheet**

**RM-BDHA16-10**



3 GHz



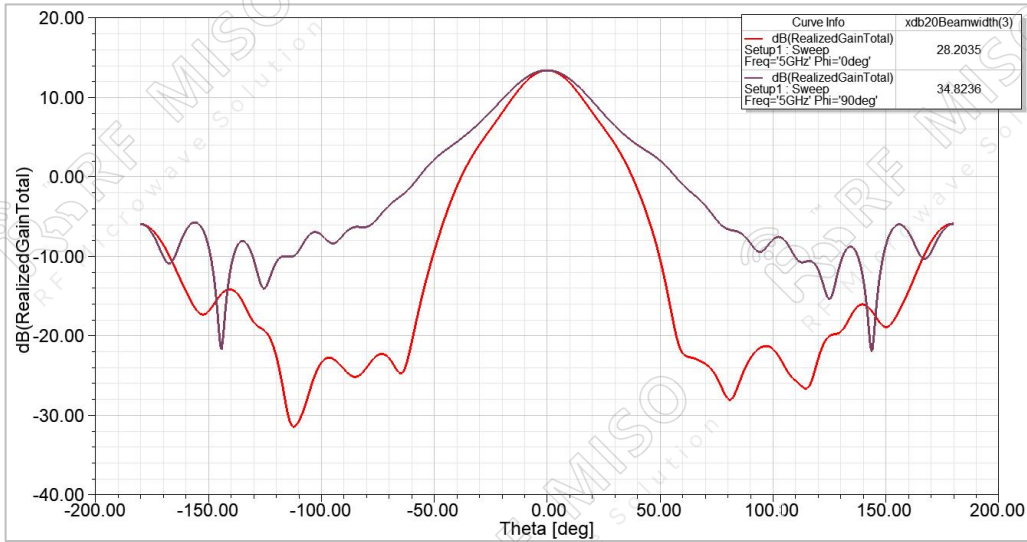
4 GHz



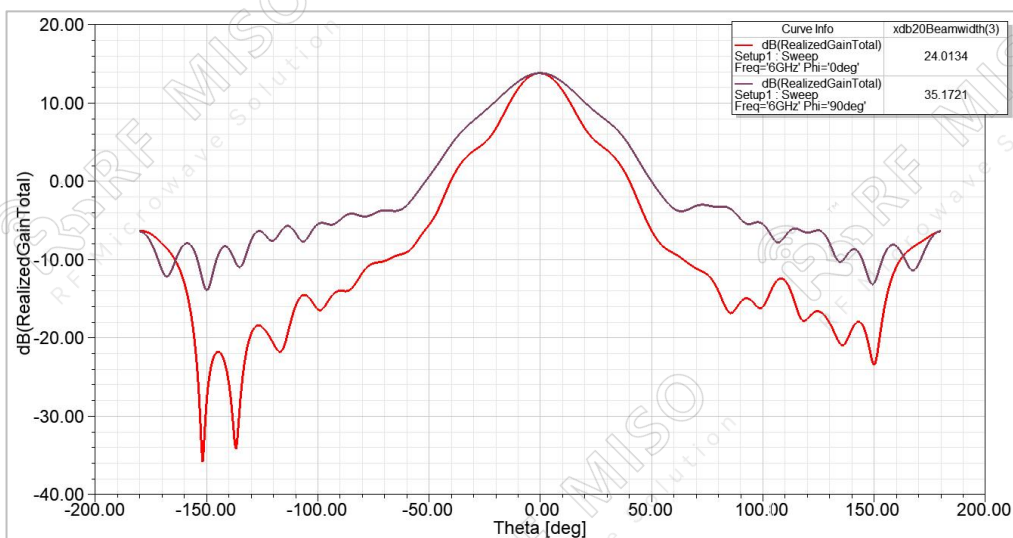
Broadband Horn Antenna  
10 dBi Typ. Gain, 1 GHz-6 GHz Frequency Range

**Broadband Horn Antenna Data Sheet**

**RM-BDHA16-10**



5 GHz



6 GHz