

Waveguide Probe Antenna
10 dBi Typ. Gain, 26.5-40GHz Frequency Range

Waveguide Probe Antenna Data Sheet

RM-WPA28-10

Features

- WR-28 Rectangular Waveguide Interface
- Linear Polarization
- High Return Loss
- Precisely Machined

Description

The **RM-WPA28-10** is a probe antenna that operates from 26.4GHz to 40GHz. The antenna offers 10 dBi typical gain. The antenna supports linear polarized wave-forms. The input of this antenna is a WR-28 waveguide with a FBP320 flange.

Specifications

RM-WPA28-10			
Item	Specification		Units
Frequency Range	26.5-40		GHz
Gain	10 Typ.		dBi
VSWR	≤2		
Polarization	Linear		
Cross-polarization Isolation	50 Typ.		dB
Waveguide Size	WR-28		
Flange Designation	FBP320(F Type)	2.4mm-F(C Type)	
C Type, Size(L*W*H)	105*44*44(±5)		mm
Weight	0.04(F Type)	0.1(C Type)	kg
Body Material	Cu		
Surface Treatment	Gold-plated		
C Type Power Handling, CW	10		W
C Type Power Handling, Peak	20		W

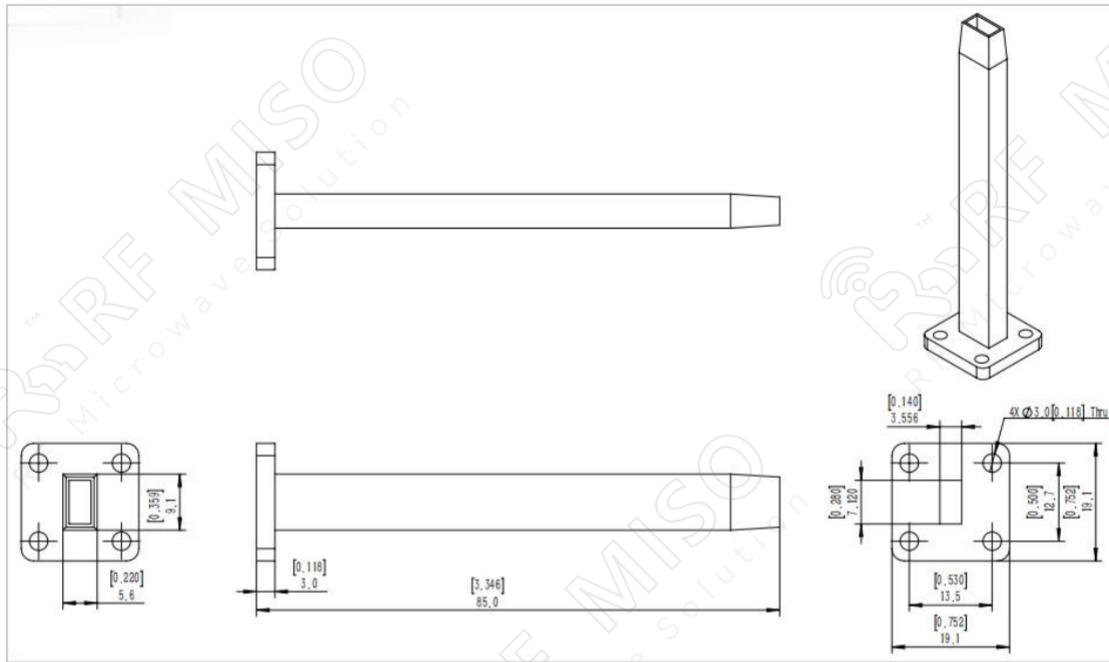


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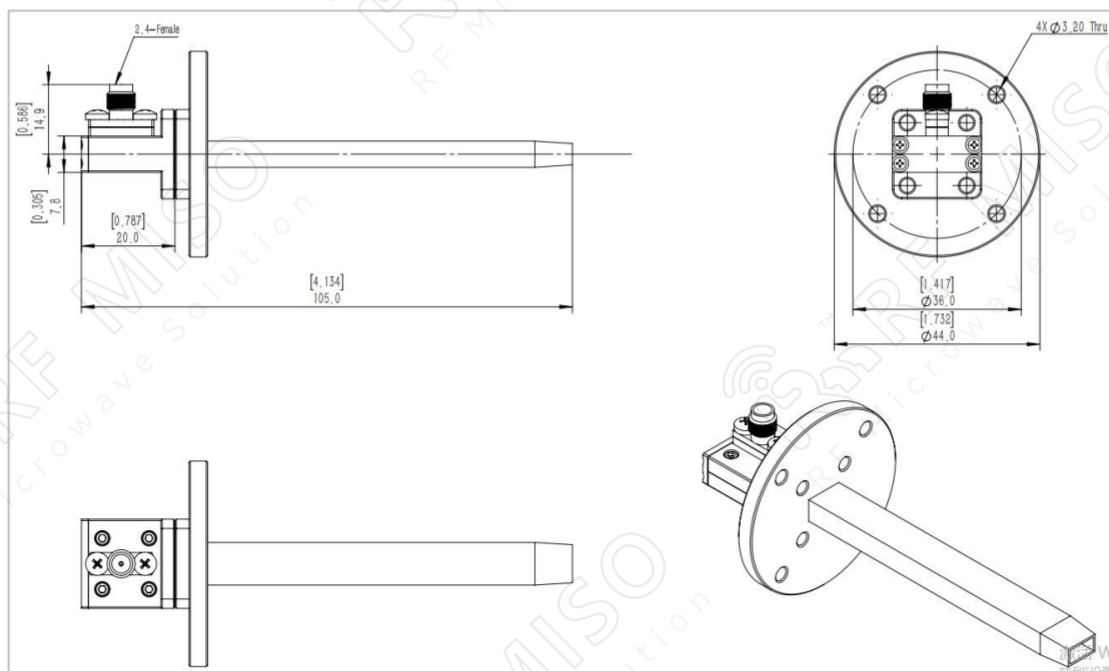
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F-Type Mechanical Drawing (P/N: RM-WPA28-10F)



C-Type Mechanical Drawing (P/N: RM-WPA28-10C)





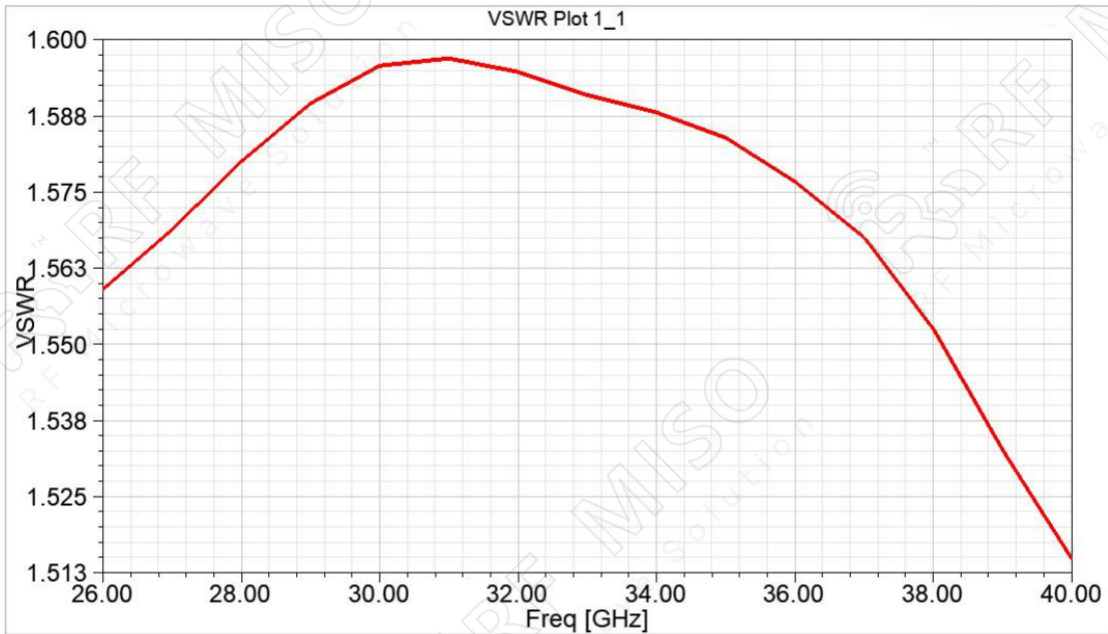
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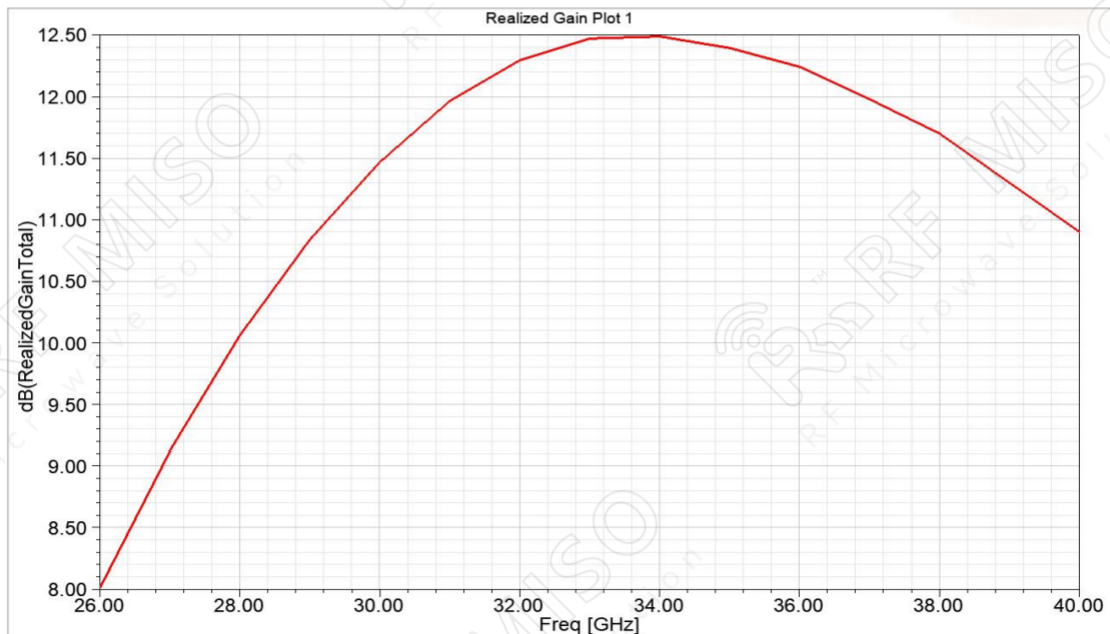
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Simulated Data

VSWR



Gain





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Polarization

