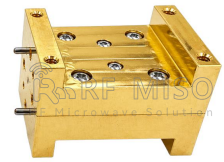


Waveguide Ortho-Mode Transducer(OMT) 110-170GHz
 1.91mm(0.075inch) Circular Waveguide Common Port



Waveguide Ortho-Mode Transducer

RM-WOMT6

Description

The RM-WOMT6 is a 110-170 GHz waveguide ortho-mode Transducer used to separate a signal at a common port into two linear orthogonal components located at the ports of a rectangular waveguide. It is widely used in high-end scientific research, satellite communications, radio astronomy, and radar systems.

Specifications

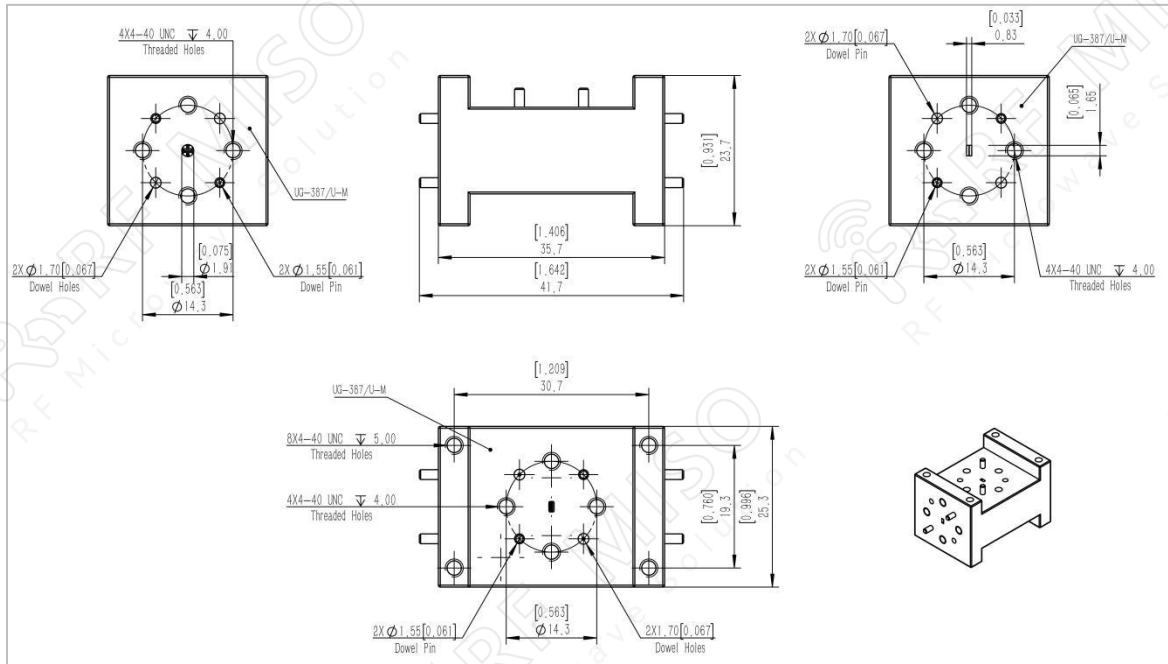
RM-WOMT6		
Parameters	Specification	Unit
Frequency Range	110-170	GHz
VSWR	2.0 Typ.	
Insertion Loss	1.4Max	dB
Port to Port Isolation	35 Typ.	dB
Size	41.7*25.3*23.7	mm
Weight	0.12	Kg
Material, Finish	Cu, Gold Plated	
Power Handling,CW	11	W
Waveguide Type,Port 1	Rectangular	
Waveguide Size	WR6	
Waveguide Type,Port 2	Rectangular	
Waveguide Size	WR6	
Waveguide Type,Common Port	Circular	
Common Port WG Size	1.91(0.075)	mm(inch)
Common Port Flange	UG-387/U-M	



Waveguide Ortho-Mode Transducer

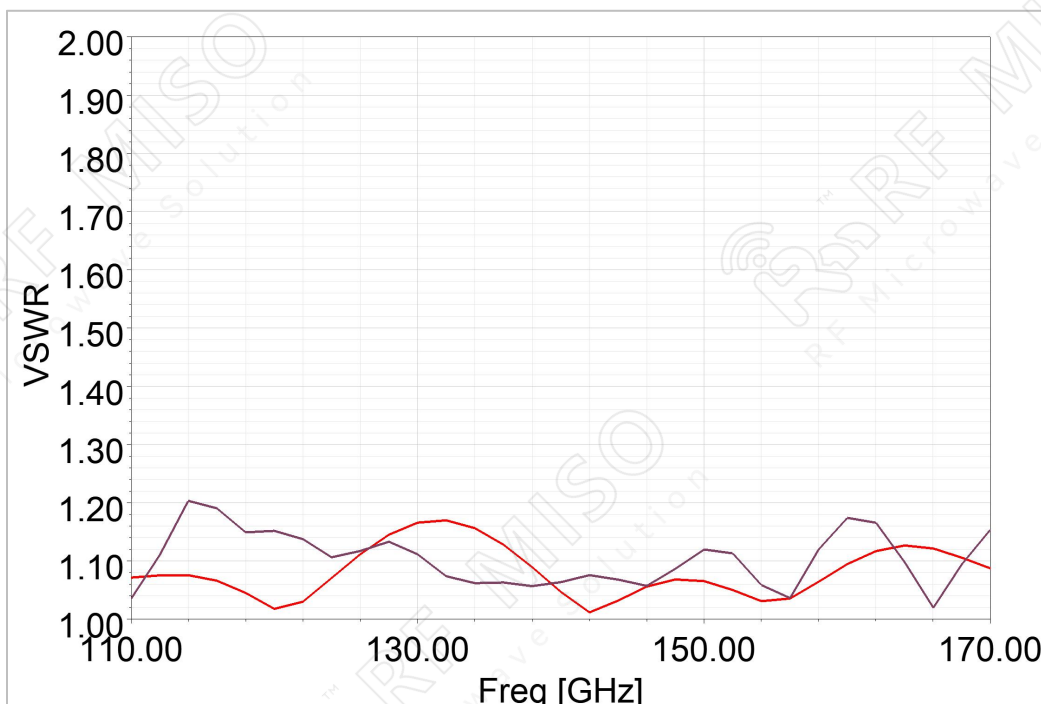
RM-WOMT6

Outline Drawing



Simulated Results

VSWR



Waveguide Ortho-Mode Transducer(OMT) 110-170GHz
1.91mm(0.075inch) Circular Waveguide Common Port



Waveguide Ortho-Mode Transducer

RM-WOMT6

Isolation

