

Waveguide Ortho-Mode Transducer(OMT) 75-110GHz 2.54mm(0.1inch) Square Waveguide Common Port

Waveguide Ortho-Mode Transducer

RM-WOMT10

Description

The RM-WOMT10 is a 75-110 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

Parameters	Specification	Unit
Frequency Range	75-110	GHz
VSWR	1.2 Typ.	
Insertion Loss	1, Max	dB
Cross Pol, Isolation	35 min. 45 Typ	dB
Port to Port Isolation	40 min.	dB
Size	33*20*20	mm
Weight	0.068	Kg
Material, Finish	Cu	
Power Handling,CW	20	W
Waveguide Type,Port 1	Rectangular	
Waveguide Size,Port 1	WR10	
Waveguide Type,Port 2	Rectangular	
Waveguide Size, Port 2	WR10	
Waveguide Type,Common Port	Square	
Common Port WG Size	2.54(0.1)	mm(inch)
Common Port Flange	UG-387/U-M	
Operating Temperature	-55~85°C	

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Insertion Loss

