

Description

Mi-Wave's 284 series tapered mode transitions is a precision formed adapter used to transform rectangular TE10 mode waveguide to a circular TE11 mode waveguide. Mainly used in antenna systems and associated components to adapt to conventional waveguide.

Notes

Data Sheet Variables: ".XXX" in Product Name correlates with Internal Diameter defined in Physical Specifications below.

S/N: NA

Electrical Specifications

	Minimal	Typical	Maximum
Frequency	60 GHz		90 GHz
VSWR		1.15	
Bandwidth		Def. by ID	

Physical Specifications

Waveguide Port 1	WR-12 Waveguide, UG-387/U Flange
Waveguide Port 2 (Opt 1)	.141" ID Circular Waveguide (60-68 GHz)
Waveguide Port 2 (Opt 2)	.125" ID Circular Waveguide (68-77 GHz)
Waveguide Port 2 (Opt 3)	.110" ID Circular Waveguide (77-87 GHz)
Waveguide Port 2 (Opt4)	.094" ID Circular Waveguide (87-90 GHz)
Port 2 Flange	UG-387/U
Material / Finish	Brass / Gold Plated

Tested by: Kim Madden

Date: 2021-04-05

