

**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**

	<b>Minimal</b>	<b>Typical</b>	<b>Maximum</b>
Frequency	75 GHz		110 GHz
VSWR		1.15	
Bandwidth		Def. by ID	

**Physical Specifications**

Waveguide Port 1	WR-10 Waveguide, UG-387/U-M Flange
Waveguide Port 2 (Opt 1)	.125" ID Circular Waveguide (75-77 GHz)
Waveguide Port 2 (Opt 2)	.110" ID Circular Waveguide (77-87 GHz)
Waveguide Port 2 (Opt 3)	.094" ID Circular Waveguide (87-100 GHz)
Waveguide Port 2 (Opt4)	.082" ID Circular Waveguide (100-110 GHz)
Port 2 Flange	UG-387/U-M
Material / Finish	Brass / Gold Plated

Tested by: Kim Madden

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