

**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	8.2 GHz		12.4 GHz
VSWR		1.15	
Bandwidth		Def. by ID	

**Physical Specifications**

Waveguide Port 1	WR-90 Waveguide, UG-39/U Flange
Waveguide Port 2 (Opt 1)	1.094" ID Circular Waveguide (8-9.97 GHz)
Waveguide Port 2 (Opt 2)	.938" ID Circular Waveguide (8.5-11.6 GHz)
Waveguide Port 2 (Opt 3)	.797" ID Circular Waveguide (9.7-12.4 GHz)
Port 2 Flange	UG-39/U
Material	Aluminum
Finish	Chem Film

Tested by: Kim Madden

Date: 2020-11-23

