

#### 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	12.4 GHz		18 GHz
VSWR		1.15	
Bandwidth		Def. by ID	

#### Physical Specifications

Waveguide Port 1	WR-62 Waveguide, UG-419/U Flange
Waveguide Port 2 (Opt 1)	.660" ID Circular Waveguide (12.4-14.6 GHz)
Waveguide Port 2 (Opt 2)	.550" ID Circular Waveguide (14.6-17.5 GHz)
Port 2 Flange	UG-419/U
Material	Aluminum
Finish	Chem Film

Tested by: Kim Madden

Date: 2021-04-23

