MI-WAVE®
Millimeter Wave Products Inc.

284F-.XXX/387

TEST DATA SHEET

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	90 GHz		140 GHz
VSWR		1.15	
Bandwidth		Def. by ID	

Physical Specifications

Waveguide Port 1	WR-08 Waveguide, UG-387/U-M Flange
Waveguide Port 2 (Opt 1)	.094" ID Circular Waveguide (87-100 GHz)
Waveguide Port 2 (Opt 2)	.082" ID Circular Waveguide (100-112 GHz)
Waveguide Port 2 (Opt 3)	.075" ID Circular Waveguide (112-125 GHz)
Waveguide Port 2 (Opt4)	.067" ID Circular Waveguide (125-140 GHz)
Port 2 Flange	UG-387/U-M
Material / Finish	Brass / Gold Plated

Tested by: Kim Madden

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