

Description

Mi-Wave's 115 series isolators use the Faraday principle of rotation in a broadband dielectric waveguide design to achieve high isolation across full waveguide bands. High quality ferrite material is used in these isolators and the magnetic field is produced by an integral permanent magnet.

Notes

S/N: N/A



Electrical Specifications

	Minimal	Typical	Maximum
Frequency	140 GHz		220 GHz
Insertion Loss		3.5 dB	
Isolation		20 dB	
VSWR		1.5:1	
Power Handling			0.2 Watts (CW)

Physical Specifications

Input and Output Port	WR-5 Waveguide, UG-387/U-M Flange
Waveguide and Flange Material	Brass
Waveguide and Flange Finish	Gold Plated
Cover Material	Aluminum
Cover Finish	Black anodized

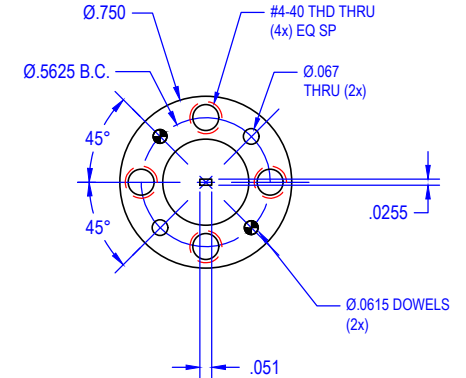
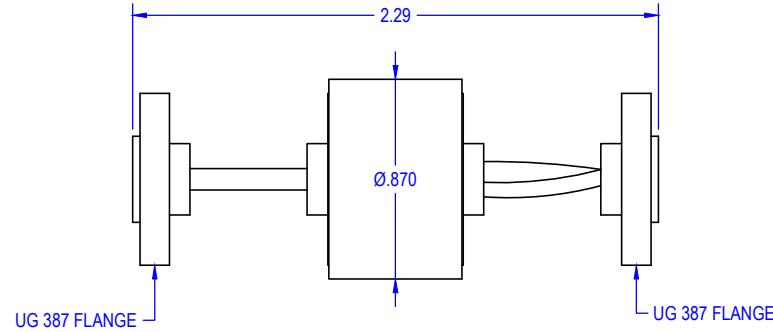
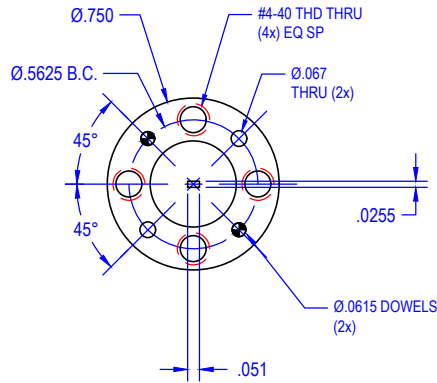
Tested by: Kim Madden

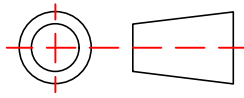
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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QTY	PART NUMBER	OUTLINE		ITEM	
		DESCRIPTION			
UNLESS OTHERWISE SPECIFIED		 THIRD ANGLE PROJECTION			
ALL SURFACES $\sqrt{32}$					
DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS: .1234 +/- .0005 .123 +/- .005 .12 +/- .01 ANGLES: +/- .5 DEGREES					
ALL THREADS TO BE 2A OR 2B					
REF DWG# --		SHEET NO.	OF	SIZE	DWG NO
		1	1	A	21759
		Mi-Wave Millimeter Products Inc.		TITLE	
				115G OUTLINE	