

FR122

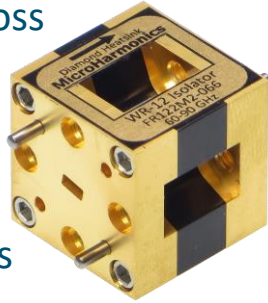
WR-12 waveguide isolator



MicroHarmonics

Superior mm-Wave Components

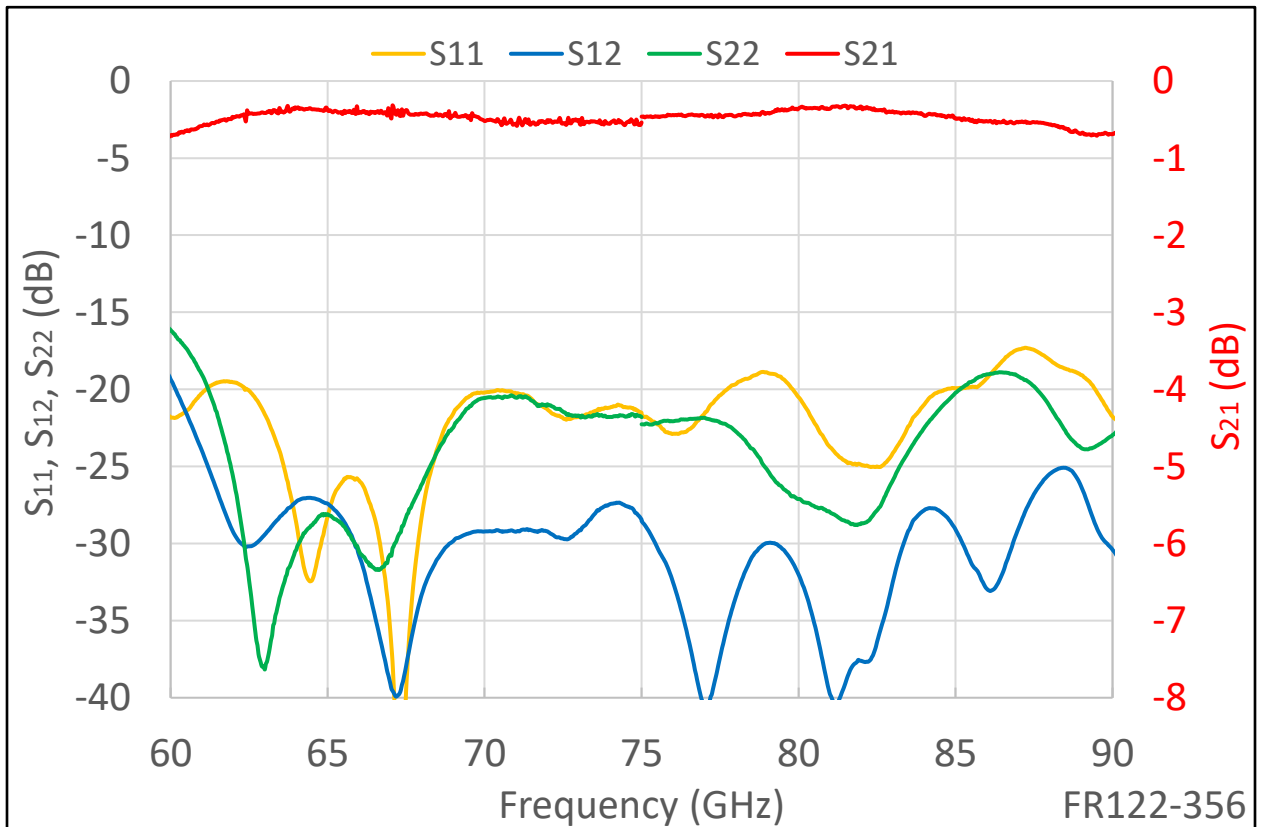
- ◆ Anti-cocking waveguide flanges
- ◆ Comprehensive test data
- ◆ Lowest insertion loss
- ◆ High isolation
- ◆ Compact size
- ◆ Diamond heatsinks
- ◆ Resist stray magnetic fields
- ◆ Internal waveguide screw access



Specifications

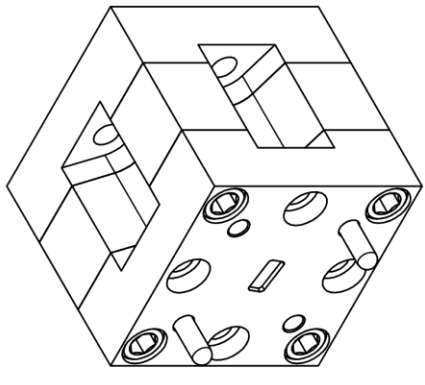
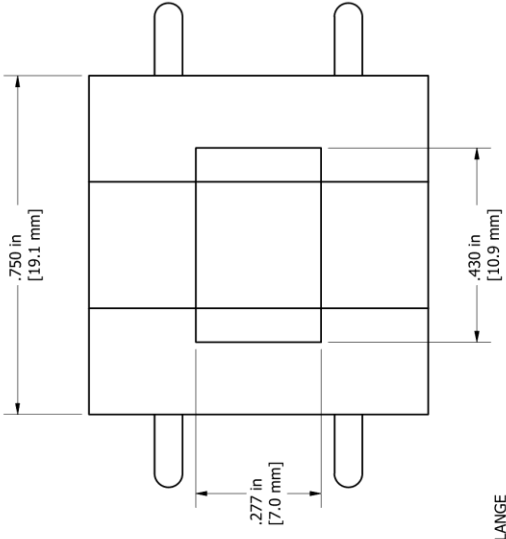
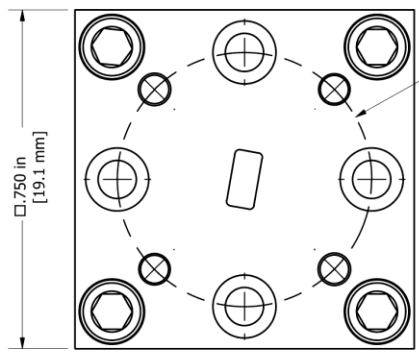
Flange	WR-12 UG-387/U
Frequency (GHz)	60-90
Insertion Loss (dB, avg)	0.6
Insertion Loss (dB, max)	2.1
Isolation (dB, typ min)	20
Input RL (dB, typ min)	16
Output RL (dB, typ min)	17
VSWR (typ max)	1.35:1
Max Reverse Power (W)	3.5
Diamond Heatsink	Yes
Weight (Oz [g])	0.62 [18]

Every isolator is tested on a vector network analyzer to verify performance and the test data is provided.



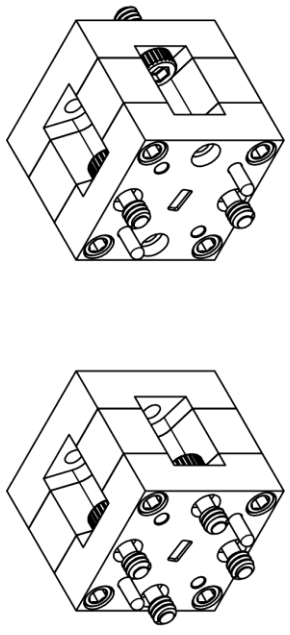
ZONE	REV	DESCRIPTION	DATE	APPROVED
-	A	EQUIVALENT TO DRAWING FR122M2 Dimension Drawing Rev -; SUNSETTING M2 NAMING CONVENTION	11/7/2023	MK
-	B	UPDATED TEMPLATE, DUAL DIMENSIONS, ADDED WEIGHTS	7/31/2024	SCS

REVISION HISTORY	
3	RELEASE TO CUSTOMER
4	EQUIVALENT TO DRAWING FR122M2 Dimension Drawing Rev -; SUNSETTING M2 NAMING CONVENTION
5	UPDATED TEMPLATE, DUAL DIMENSIONS, ADDED WEIGHTS



MATES WITH UG-387/U FLANGE
 WR-12 WAVEGUIDE

THIS DEVICE ALLOWS FOR INTERNAL WAVEGUIDE SCREW ACCESS AS DEMONSTRATED BELOW



PART NUMBER / DESCRIPTION		DWG. UNITS:		REV:	
FR122-Dimension Drawing		INCHES		B	
PAGE NUMBER	1 of 1	SIZE	B	COMPONENT WEIGHT	
APPROVAL	JTK - 2/20/2024			17.6 GRAMS	.62 OUNCES

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