

FR043

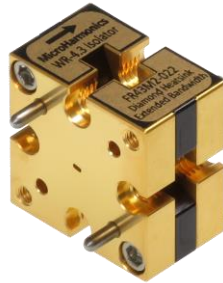
WR-4.3 waveguide isolator



MicroHarmonics

Superior mm-Wave Components

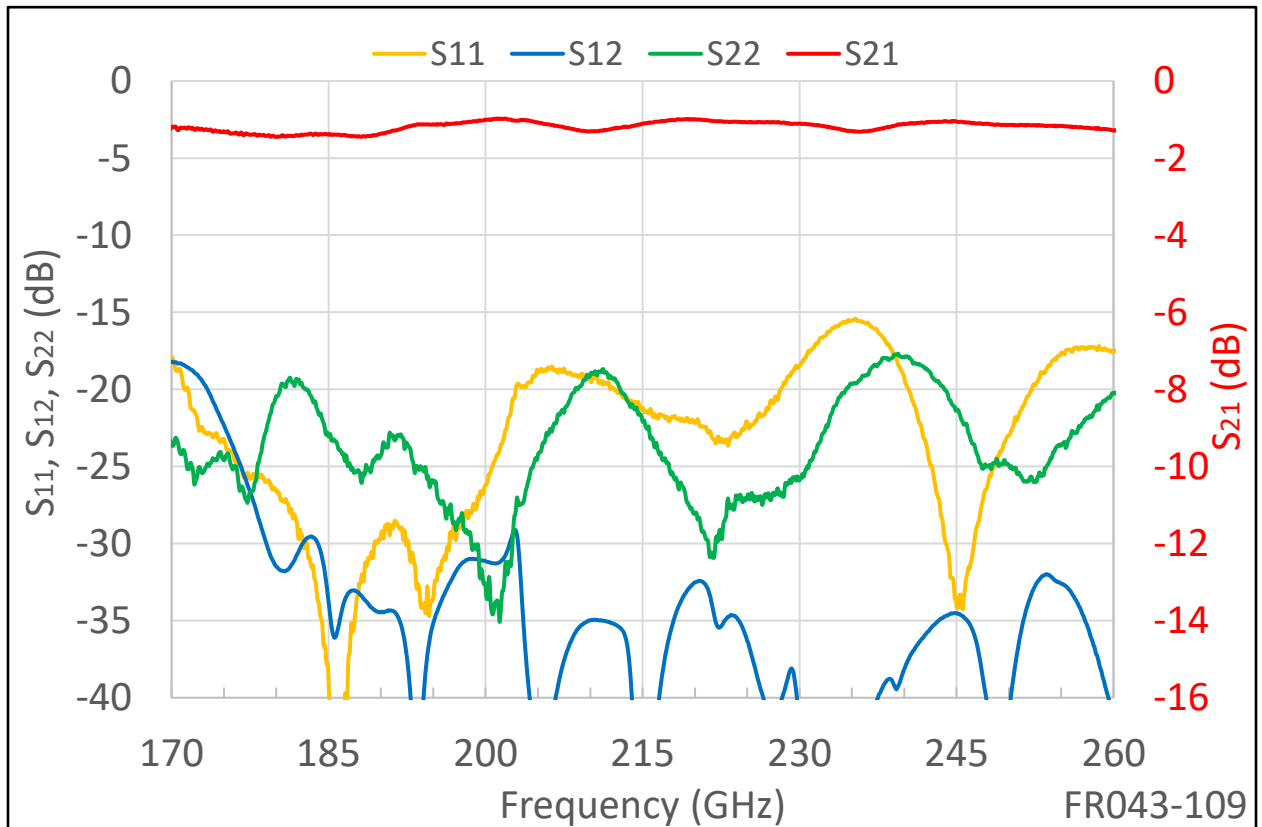
- ◆ Anti-cocking waveguide flanges
- ◆ Comprehensive test data
- ◆ Lowest insertion loss
- ◆ High isolation
- ◆ Compact size
- ◆ Diamond heatsinks
- ◆ Resist stray magnetic fields
- ◆ Internal waveguide screw access



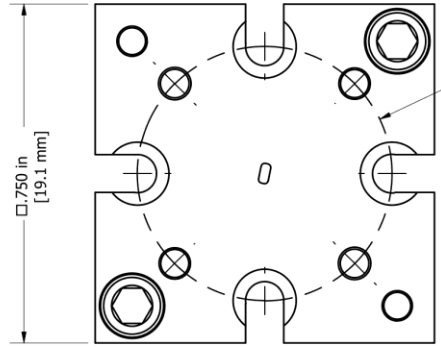
Specifications

Flange	WR-4.3 UG-387/UM
Frequency (GHz)	170-260
Insertion Loss (dB, avg)	1.3
Insertion Loss (dB, max)	3.2
Isolation (dB, typ min)	22
Input RL (dB, typ min)	16
Output RL (dB, typ min)	18
VSWR (typ max)	1.35:1
Max Reverse Power (W)	1.0
Diamond Heatsink	Yes
Weight (Oz [g])	0.42 [12]

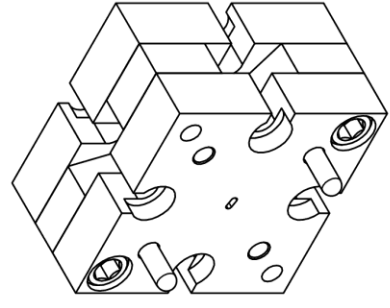
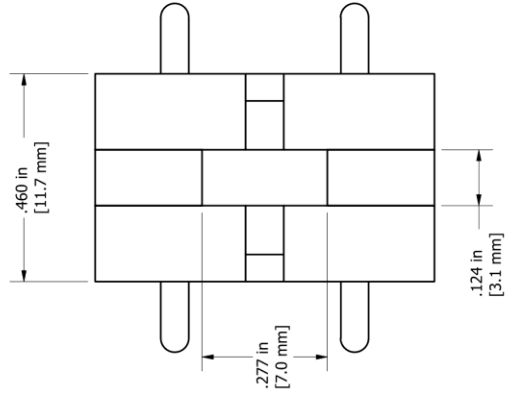
Every isolator is tested on a vector network analyzer to verify performance and the test data is provided.



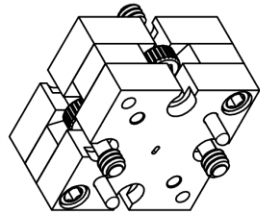
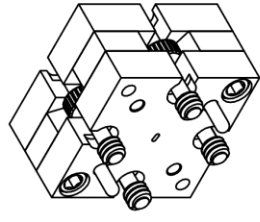
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	RELEASE TO CUSTOMER	8/28/2023	SCS
	A	EQUIVALENT TO DRAWING FR43M2 Dimension Drawing Rev - ; SUNSETTING M2 NAMING CONVENTION	10/24/2023	SCS
	B	UPDATED TEMPLATE, DUAL DIMENSIONS, ADDED WEIGHTS	7/31/2024	SCS



MATES WITH UG-387/UM FLANGE
 WR-4.3 WAVEGUIDE



THIS DEVICE ALLOWS FOR INTERNAL WAVEGUIDE SCREW ACCESS AS DEMONSTRATED BELOW



PART NUMBER - DESCRIPTION		DWG. UNITS: INCHES		REV: B
FR043-Dimension Drawing			[mm]	
PAGE NUMBER 1 of 1	DRAWN BY: SCS	SIZE: B		
APPROVAL: JTK - 10/24/2023		COMPONENT WEIGHT: 11.8 grams		
				OUNCES: .41

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