

# FR100

WR-10 waveguide isolator



# MicroHarmonics

Superior mm-Wave Components

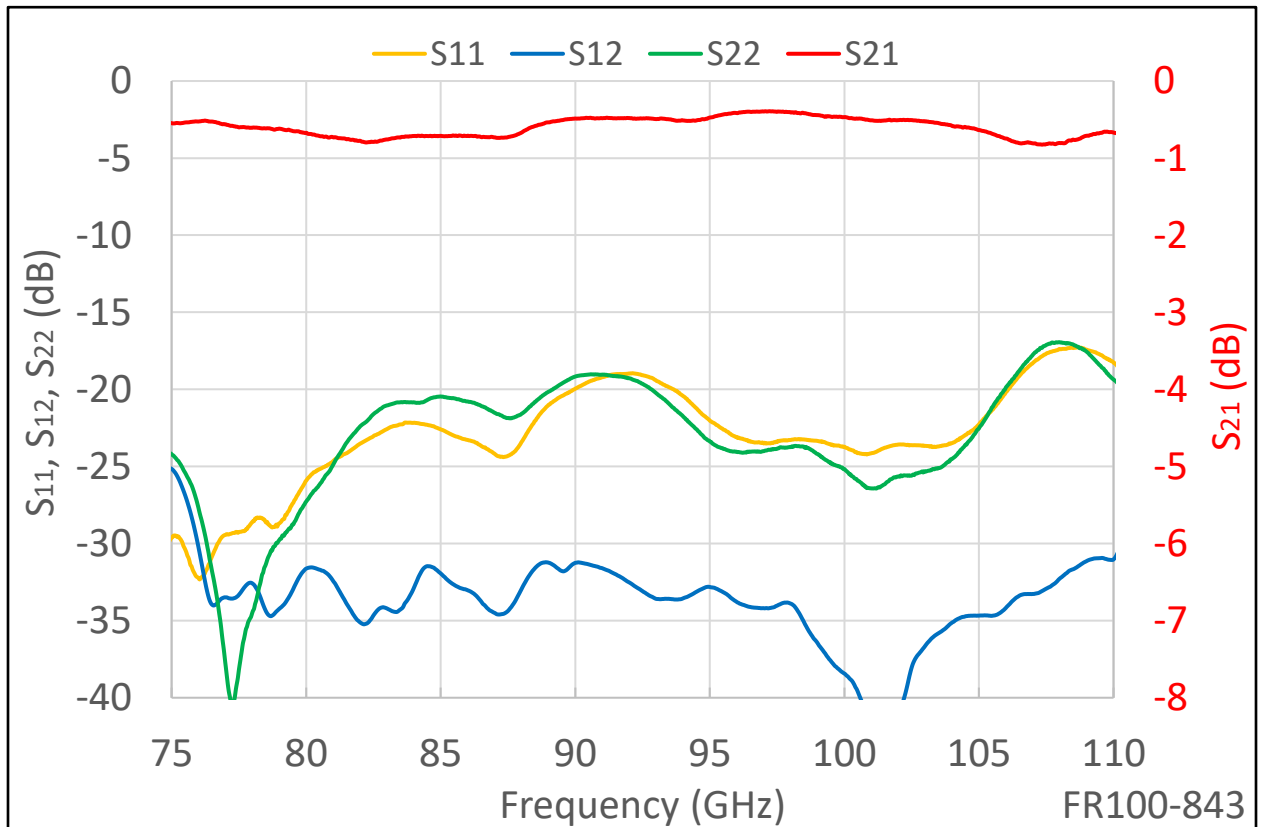
- ◆ Anti-cocking waveguide flanges
- ◆ Comprehensive test data
- ◆ Lowest insertion loss
- ◆ High isolation
- ◆ Compact size
- ◆ Diamond heatsinks
- ◆ Resist stray magnetic fields
- ◆ Internal waveguide screw access



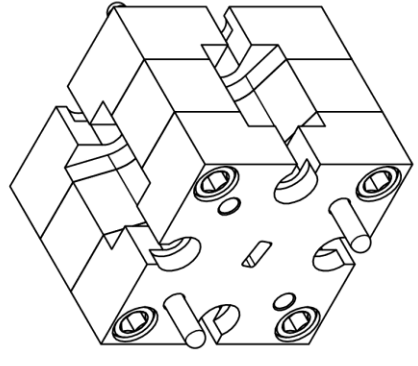
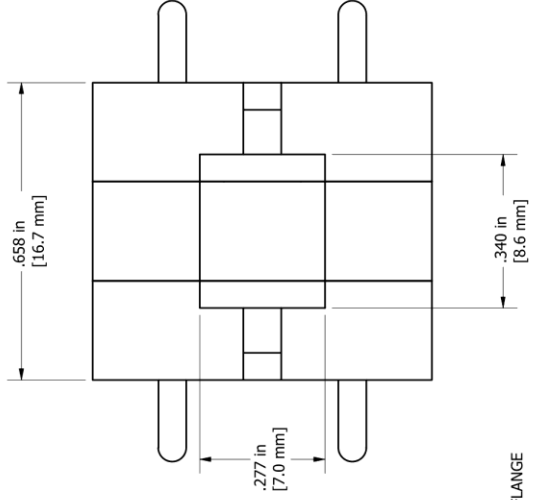
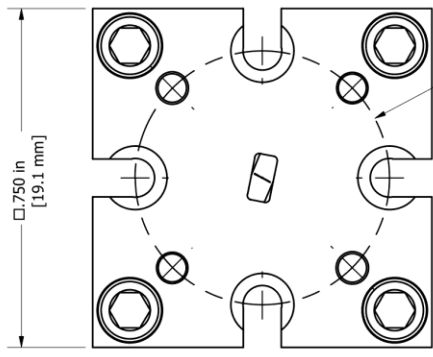
## Specifications

Flange	WR-10 UG-387/UM
Frequency (GHz)	75-110
Insertion Loss (dB, avg)	0.6
Insertion Loss (dB, max)	1.8
Isolation (dB, typ min)	22
Input RL (dB, typ min)	17
Output RL (dB, typ min)	18
VSWR (typ max)	1.3:1
Max Reverse Power (W)	2.9
Diamond Heatsink	Yes
Weight (Oz [g])	0.56 [16]

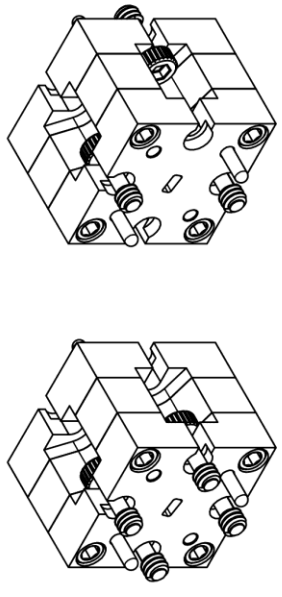
Every isolator is tested on a vector network analyzer to verify performance and the test data is provided.



ZONE	REV	DESCRIPTION	DATE	APPROVED
-	A	EQUIVALENT TO DRAWING FR100M2 Dimension Drawing - Rev - ; SUNSETTING M2 NAMING CONVENTION	8/16/2023	SCS
-	B	UPDATED TEMPLATE, DUAL DIMENSIONS, ADDED WEIGHTS	7/31/2024	SCS



THIS DEVICE ALLOWS FOR INTERNAL WAVEGUIDE SCREW ACCESS AS DEMONSTRATED BELOW



PART NUMBER - DESCRIPTION		DWG. UNITS:		REV:
FR100-Dimension Drawing		INCHES	B	B
PAGE NUMBER	DRAWN BY:	[mm]		
1 of 1	SCS			
APPROVAL	JTK - 8/11/2024	COMPONENT WEIGHT		
		15.9 GRAMS		
		.56 OUNCES		

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