

FR034

WR-3.4 waveguide isolator



MicroHarmonics

Superior mm-Wave Components

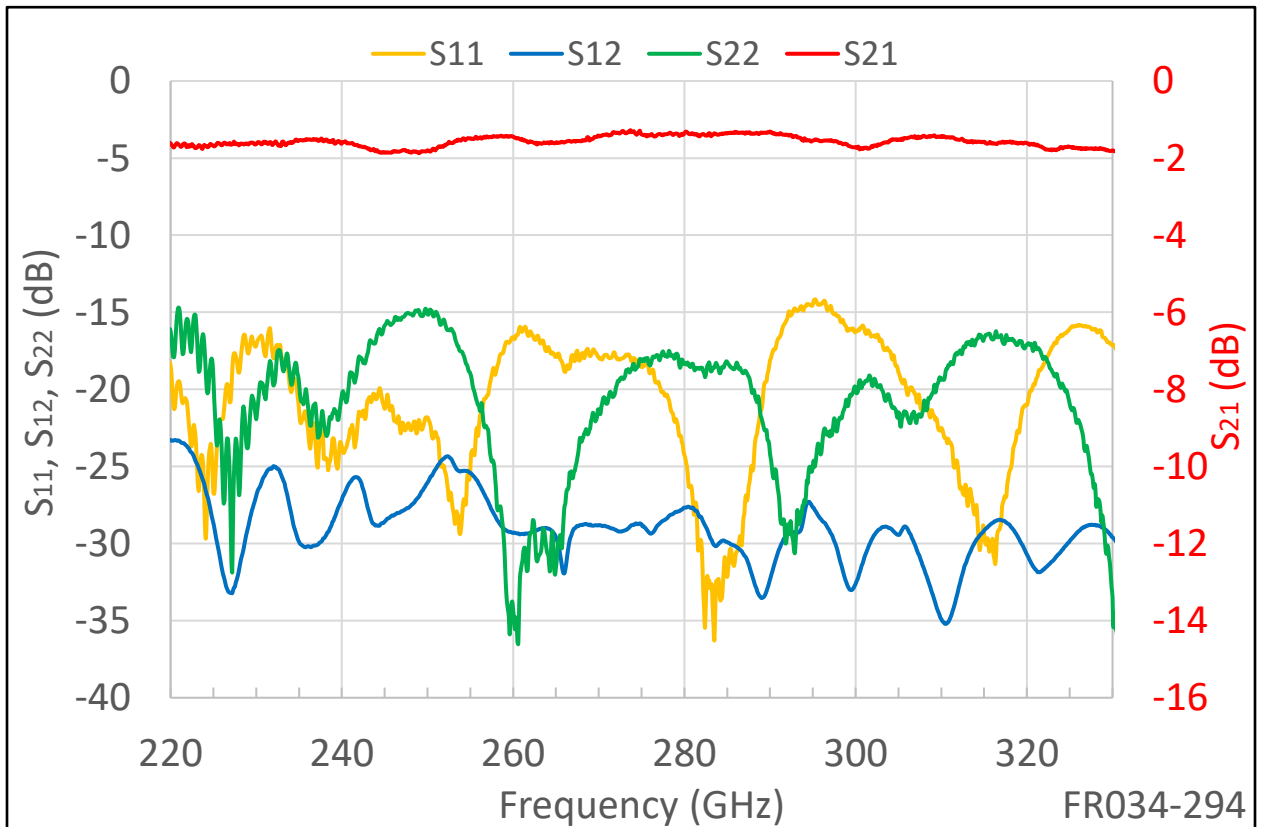
- ◆ Anti-cocking waveguide flanges
- ◆ Comprehensive test data
- ◆ Lowest insertion loss
- ◆ High isolation
- ◆ Compact size
- ◆ Diamond heatsinks
- ◆ Resist stray magnetic fields
- ◆ Internal waveguide screw access



Specifications

Flange	WR-3.4 UG-387/UM
Frequency (GHz)	220-330
Insertion Loss (dB, avg)	1.7
Insertion Loss (dB, max)	3.5
Isolation (dB, typ min)	22
Input RL (dB, typ min)	15
Output RL (dB, typ min)	16
VSWR (typ max)	1.45:1
Max Reverse Power (W)	0.6
Diamond Heatsink	Yes
Weight (Oz [g])	0.41 [12]

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

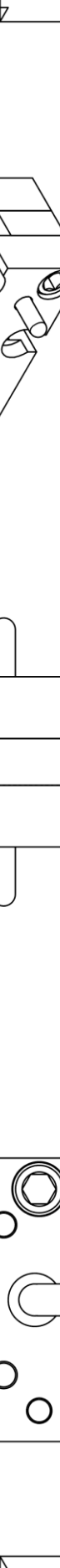


8	Micro Harmonics		Proprietary - Micro Harmonics Corporation		7		
	Date		8/24/2023		6		
5		ZONE		REV		4	
4		-		-		3	
3		A		EQUIVALENT TO DRAWING FR43M2 Dimension Drawing - Rev ; SUNSETTING M2 NAMING CONVENTION		2	
2		B		UPDATED TEMPLATE, DUAL DIMENSIONS, ADDED WEIGHTS		1	
1		F		REVISION HISTORY		DESCRIPTION	
		DATE		APPROVED			
		8/24/2023		SCS			
		2/20/2024		SCS			
		7/31/2024		SCS			

F		E		D		C		B		A	
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THIS DEVICE ALLOWS FOR INTERNAL WAVEGUIDE SCREW ACCESS AS DEMONSTRATED BELOW



FAST NUMBER		DESCRIPTION		Micro Harmonics Corporation		20 S Roanoke St, Ste 202		Fincastle, VA 24090		REV: B	
FR034-Dimension Drawing		DRAWN BY: SCS		Dwg. UNITS: INCHES		ph. 540.473.9983		fax 844.449.1561			
PAGE NUMBER		1 of 1		SIZE: B		COMPONENT WEIGHT		11.6 grams		-41 OUNCES	
APPROVAL		JTK - 8/25/2023									

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