

FR090

WR-9 waveguide isolator



MicroHarmonics

Superior mm-Wave Components

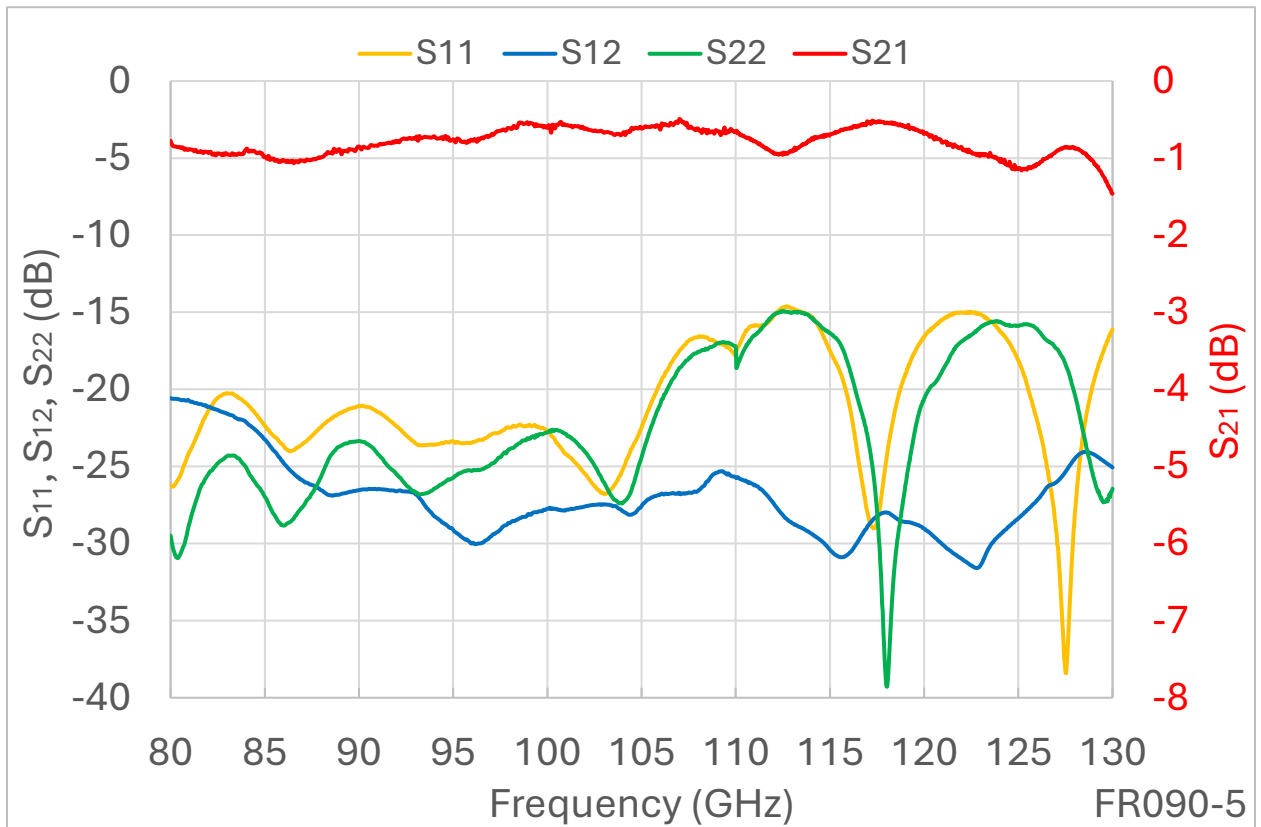
- ◆ Anti-cocking waveguide flanges
- ◆ Comprehensive test data
- ◆ Lowest insertion loss
- ◆ High isolation
- ◆ Compact size
- ◆ Diamond heatsinks
- ◆ Resist stray magnetic fields



Specifications

Flange†	WR-9† UG-387/UM
Frequency (GHz)	82-122
Insertion Loss (dB, avg)	0.9
Insertion Loss (dB, max)	2.3
Isolation (dB, typ min)	21
Input RL (dB, typ min)	16
Output RL (dB, typ min)	17
VSWR (typ max)	1.4:1
Max Reverse Power (W)	2.7
Diamond Heatsink	Yes
Weight (Oz [g])	0.5 [14]

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



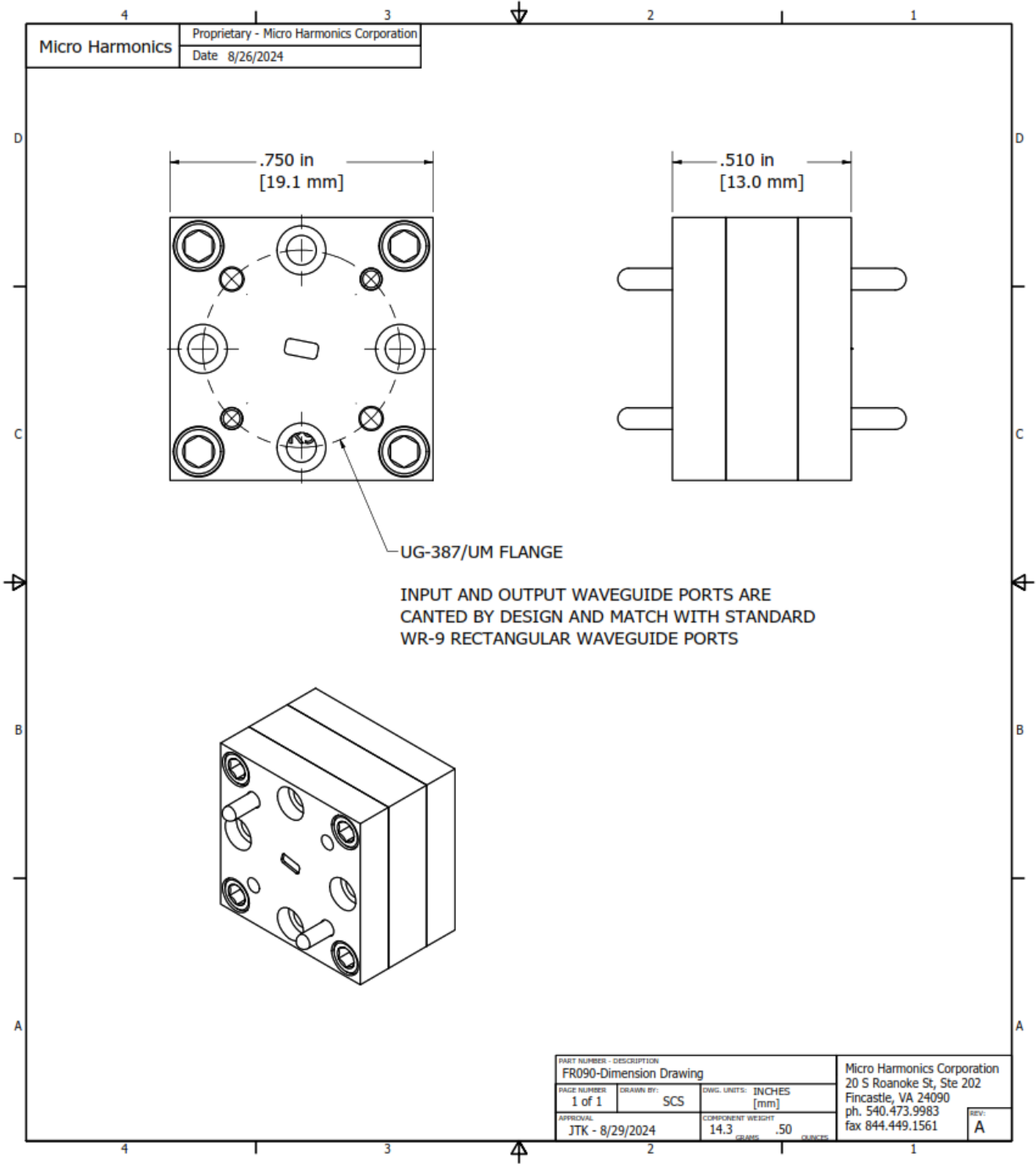
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Micro Harmonics	Proprietary - Micro Harmonics Corporation
	Date 8/26/2024

UG-387/UM FLANGE

INPUT AND OUTPUT WAVEGUIDE PORTS ARE CANTED BY DESIGN AND MATCH WITH STANDARD WR-9 RECTANGULAR WAVEGUIDE PORTS

PART NUMBER - DESCRIPTION			Micro Harmonics Corporation 20 S Roanoke St, Ste 202 Fincastle, VA 24090 ph. 540.473.9983 fax 844.449.1561	
FR090-Dimension Drawing				
PAGE NUMBER	DRAWN BY:	DWG. UNITS:	REV:	
1 of 1	SCS	INCHES [mm]		
APPROVAL:		COMPONENT WEIGHT	REV: A	
JTK - 8/29/2024		14.3 GRAMS .50 OUNCES		