

# FR090

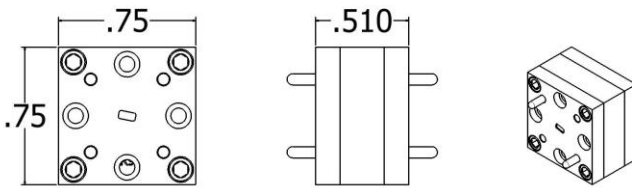
WR-9 waveguide isolator



# 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)	2.1
Diamond Heatsink	Yes

Test data measured and synthesized using WR-10 and WR-8 extenders.  
 † WR-9 is a non-standard band (90 x 45 mils).

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

