## Single Directional Waveguide Coupler

GERLING

The GA3108 and GA3109 Single Directional Waveguide Couplers are part of the WaveProbe™ family of waveguide couplers that offer high performance microwave power monitoring in a small package. The WaveProbe™ secret to accurate and reliable waveguide power measurement is in the design of the probe itself. Utilizing a common loop type design, the probe terminates in a proprietary RF resistor configuration that provides excellent directivity and a stable coupling factor.

## **Specifications:**

Waveguide GA3108: WR340 (RG113/U)

GA3109: WR430 (RG105/U)

Flange GA3108: UG554/U

GA3109: UG437B/U

Frequency 2450 MHz +/- 50 MHz

Power (continuous) 15 kW (GA3108); 30 kW (GA3109)

Coupling Factor 60 dB nominal @ 2.45 GHz; measured and

indicated to within +/- 0.2 dB

Directivity 23 dB minimum
Output Connector Type N female

Construction Dip brazed aluminum waveguide and

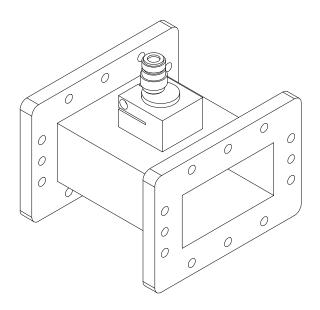
flanges

Finish Clear chemical film (Alodine); Black paint

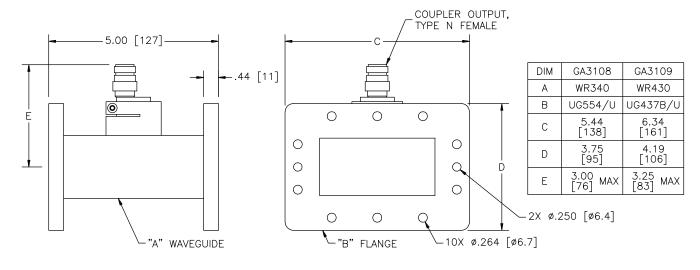
## Options:

- Alternate flange-flange length (5" minimum)
- Alternate coupling factor
- Enhanced directivity
- Heli-Coils or studs on flanges (any combination)
- Tapered round flanges for quick-disconnect clamp (WR340 only)
- Flange interlock switches

Model GA3108 Model GA3109



Model GA3108



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