

Directional Coupler, 915 MHz, EIA 1-5/8 Coax

GERLING

Model GA3117
Model GA3118

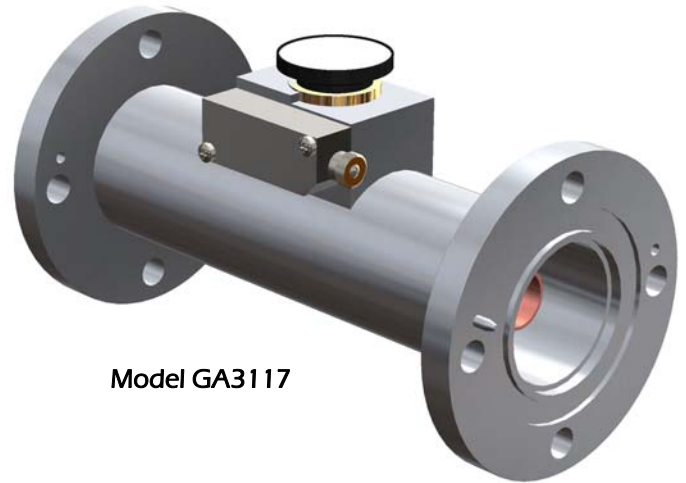
The GA3117 and GA3118 directional couplers are part of GAE's line of compact and light weight 915 MHz components designed for high power microwave heating applications. As coaxial transmission line devices, these couplers are ideal for microwave power measurement in laboratory research and production process systems where traditional waveguide components are unsuitable due to their size and weight. An integrated detector diode provides an analog output voltage that can be read directly with standard instrumentation.

Specifications:

Frequency	915 MHz nominal
Power (continuous)	5 kW
Flange	EIA 1-5/8 Coax (swivel one end, fixed other end)
Impedance	50 Ohm
Directivity	23 dB minimum
Output Connector	Mini microphone
Construction	Aluminum outer conductor and flanges, copper center conductor
Finish	Chemical conversion coating

Accessories:

- ◆ Digital Meter Set, model GA3213
- ◆ Coaxial Cables, p/n 914279-XX (XX = length in feet)

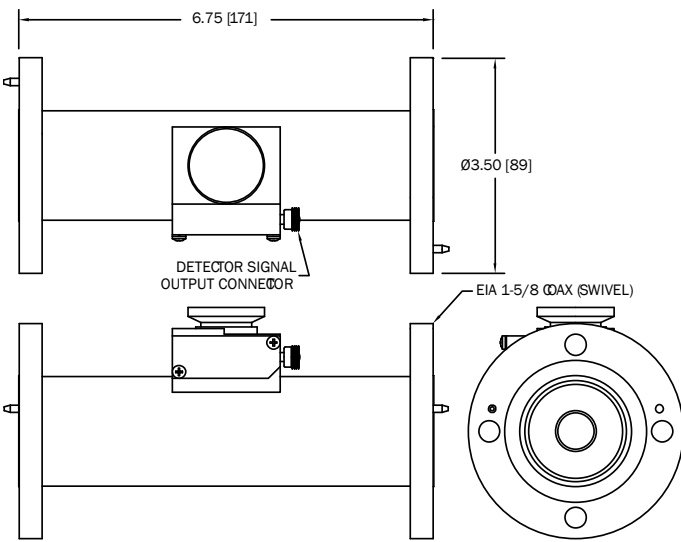
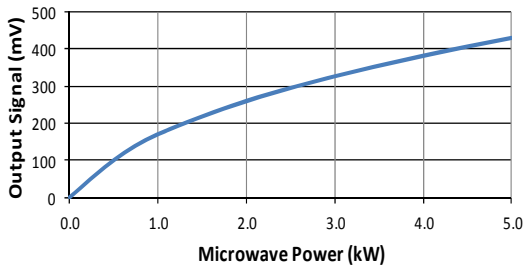


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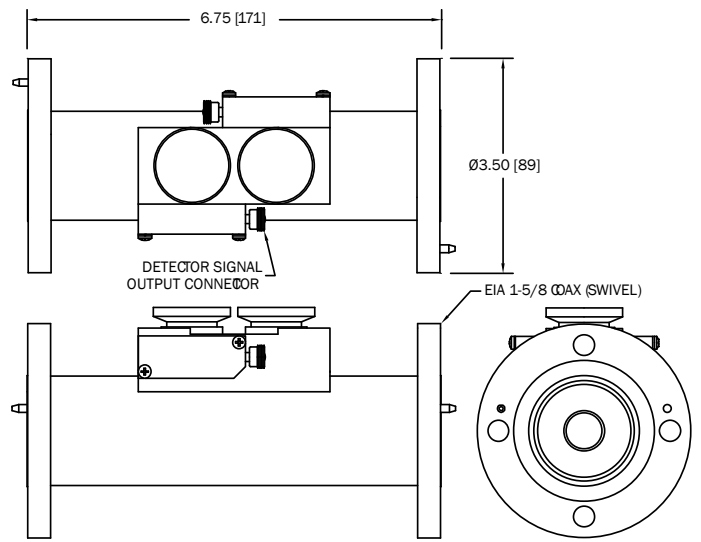


Model GA3118

Detector output signal vs. power (Typical)



MODEL GA3117



MODEL GA3118



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