3-Port Circulator, 1.2kW, CPR284

The model GA1121 is a waveguide 3-port circulator designed for high power industrial heating applications requiring high reliability and rugged construction. These circulators are most often used with dummy loads in an isolator configuration for magnetron protection, but they are also useful for other purposes in conjunction with devices such as phase shifters and variable attenuators.

Construction of the GA1121 is all aluminum waveguide with a chromate conversion coating.

General Specifications:
- Frequency: 2450 MHz nominal
- Input Power: 1.2 kW continuous max. (fwd and rev)
- Waveguide: WR284 (RG75/U)
- Flanges: CPR284 (UG1725/U) with 1/4-20 UNC tapped holes
- Input VSWR: 1.1 max. (Port 1)
- Insertion Loss: 0.15 dB max. (Port 1 to Port 2)
- Isolation: 20 dB min. (Port 2 to Port 1)
- Coupler Probe Type: N female (GA1121-1 only)
- Coupler Calibration: 50 +/- 1 dB (GA1121-1 only)
- Construction: Aluminum waveguide, chromate finish
- Finish: Clear chemical film

Options:
- Flange interlock switches (any flange)
- Flange mounting studs
- Reflected power coupler probe

Accessories:
- Analog or digital power meter set
- GA3301 Coupler Power Interface

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