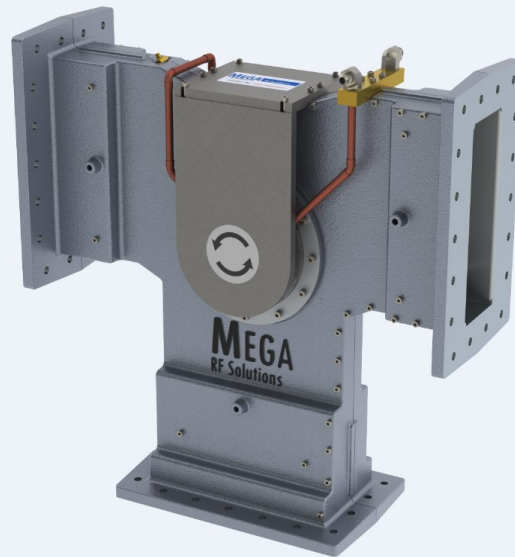


## WR975, 915 MHz, 75kW Circulator



Microwave Techniques WR975 waveguide circulators are nominally optimized for RF performance at 75kW forward power. Additionally, monitor couplers are provided upon request:  $-60 \pm 2$  dB, with a Type N connector. The typical material we utilize is an Aluminum housing (A356 T1, RoHS passivated), Steel (Zinc passivated), with Copper cooling channels. We consider development in all coaxial and waveguide sizes, and custom modifications for operation at lower RF power levels.

|                            |                                |
|----------------------------|--------------------------------|
| Frequency                  | 915 $\pm$ 10 MHz               |
| Return Loss                | >25dB @ 915 , >20 dB in band   |
| Insertion Loss             | <0.1dB @ 915 , <0.15dB in band |
| Isolation                  | >25dB @ 915 , >20 dB in band   |
| Power (forward, reflected) | 75kW CW, 75kW CW               |

**Flanges:** WR975 CPRF

**Cooling:** 2 gpm/min flow at 25-30°C, < 100 psig

**Overall Weight:** 40.267 lbs. (18 kg)

**Features:** proprietary rack-mounted temperature control unit, automatically fine-tunes based on thermal feedback from the cooling circuit