



Model: SC3-572

Microwave Techniques S-Band waveguide duplexer solutions places emphasis on the selection and bias point of ferrite material to minimize insertion loss and maximize isolation at the frequency, bandwidth and power level of interest. The design and power handling capability is determined by the sum of the forward and reflected power, the latter being a result of any mismatch present at the output of the device. The following specifications apply to our S-Band waveguide duplexer:

Frequency	2700 to 3100 MHz
Peak Power	1 MW
Average Power	1 kW
Flanges	CPR-284 Grooved
Material	Aluminum 6061-T6
Finish	Chromate Golden (MIL-C-5541)

Designs for: High Peak Power, High Average Power, Convection Cooled, Liquid Cooled

Uses for: Weather Radar Systems

Environments: Land, Mobile, Naval and Airborne

Qualified Units: AWACS, TPS-78, ASR-9, TRC-170, SMART-L, HAWK

*Custom paint, finish, material and configuration options available