



Model: SC3-543

Microwave Techniques S-Band circulator solutions place 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 circulator, model SC3-543:

Frequency	2700 to 2900 MHz
Peak Power	24 kW
Average Power	2.4 kW
Flanges	CPR-284G
Material	Aluminum 6061-T6
Finish	Chromate Golden (MIL-C-5541)

Configurations: readily supplied in “Y” or “T” configuration

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

Uses for: source protection with Magnetrons, TWT’s, Klystrons & Solid State Amplifiers

Environments: Land, Mobile, Naval and Airborne

Applications: Accelerators, Radar Systems, Communication and Industrial Systems

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