

PRODUCT DATA SHEET



D6857

Werlatone ® Mismatch Tolerant ® High Power Broadband RF Combiners and Dividers will operate into High Load VSWR Conditions, for extended periods, without damage. With extensive experience as a supplier to military platforms worldwide Werlatone® designs its High Power Broadband Combiners, Power Dividers, and N-Way Combiners for proper operation in the most stringent operating conditions. Features: High Power Wide Bandwidths Small Size Custom Designs Available **Electrical Specifications:** 1200 - 1400 MHz Frequency: Power: 4000 W CW Insertion Loss: 0.5 dB Max. VSWR: 1.35:1 Max. Phase Balance: + 5° Max. Amplitude Balance: 0.25 dB Max. Isolation: Non-Isolated Mechanical Specifications: Connectorized Type: Aluminum 6061-T6 Material: Surface Finish: Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) -55°C to +75°C Operating Temperature: -60°C to +85°C Storage Temperature: RADIAL Size: **Connector Configurations:** Model Sum Port (J33) Input/Output (J1-J32) D6857-80 1 5/8" EIA N Female D6857-82 1 5/8" EIA SMA D6857-808 1 5/8" EIA TNC Male When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration from a list of options. Additional connector configurations for our High Power RF Combiners/Dividers, Non-Coherent Combiners, and N-Way Combiners are available upon request.

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Performance Data (Specifications subject to change without notice): VSWR: Insertion Loss: 1.40 0 1.30 0.2 1.20 0.4 0.6 1.10 1240 1320 1360 1200 1240 1280 1320 1360 1400 1200 1280 1400 Frequency (MHz) Frequency (MHz) Since 1965: Phase Balance: 5 0 -5 1240 1280 1200 1320 1360 1400 Frequency (MHz)

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