

Combiners In-Phase Connectorized Radial



## **PRODUCT DATA SHEET** D9706 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:** 2700-3500 MHz Frequency: Power: 2.000 W CW Insertion Loss: 0.35 dB Max. VSWR: 1.35:1 Max. Phase Balance: + 5° Max. Amplitude Balance: ± 0.3 dB Max. Isolation: Non-Isolated Mechanical Specifications: Connectorized Type: Aluminum 6061-T6 Material: Chem. Film Per MIL-DTL-5541F Type II Surface Finish: Class 3 (Clear/RoHS) -55°C to +75°C Operating Temperature: -60°C to +85°C Storage Temperature: RADIAL Size: **Connector Configurations:** Model Sum Port (J17) Input/Output (J1-J16) D9706-WG10 WR284 N Female D9706-WG10RA WR284 Rt. Angle N Female 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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## PRODUCT DATA SHEET

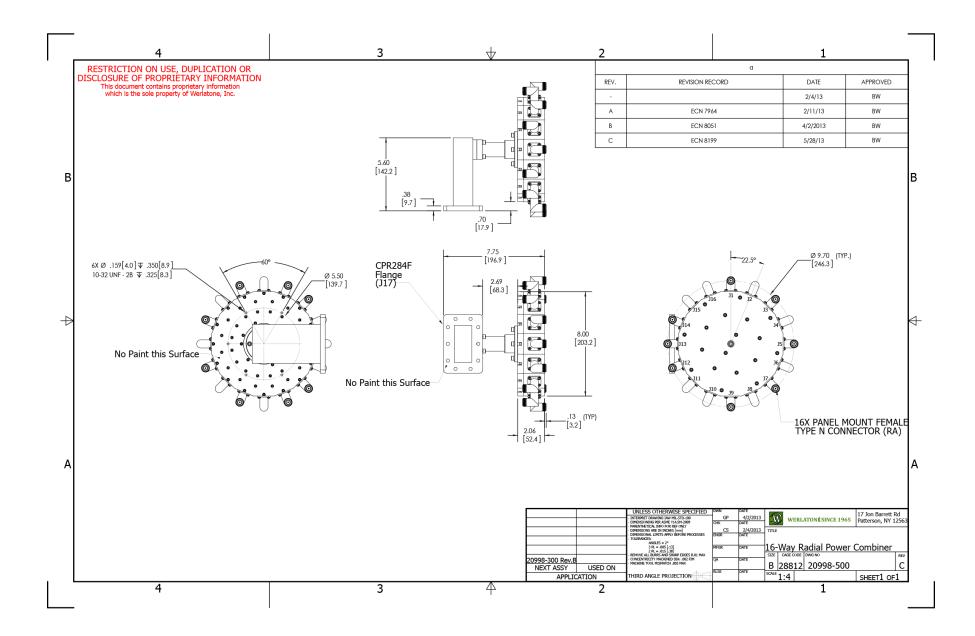


D9706

## 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 2860 3020 3340 2700 2860 3020 3180 3340 3500 2700 3180 3500 Frequency (MHz) Frequency (MHz) Since 1965: Phase Balance: 5 0 -5 3020 2700 2860 3180 3340 3500 Frequency (MHz)

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