



PRODUCT DATA SHEET H3670 Werlatone Igh Power 180° RF Hybrid Combiners/Dividers balance traditional technologies with disruptive microwave techniques. The outcome is a microwave component which provides an order of magnitude improvement over current capabilities. Our newest line of high power, patented 180° RF Hybrid Combiners/Dividers provides an incredible 5:1 bandwidth, while exhibiting exceptionally low loss and superior port-to-port isolation. Features: High Power Wide Bandwidths Small Size Excellent Amplitude Balance **Electrical Specifications:** 200 - 400 MHz Frequency: 400 W CW Power: Insertion Loss: 0.2 dB Max. VSWR: 1.40:1 Max. Phase Balance: 180° <u>+</u> 5° Max. Amplitude Balance: \pm 0.2 dB Max. Isolation: 20 dB Min. Mechanical Specifications: Connectorized Type: Material: Aluminum 6061-T6 Surface Finish: Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available Operating Temperature: -55°C to +75°C Storage Temperature: -60°C to +85°C 5.0 x 3.0 x 2.24" Size: **Connector Configurations:** Sum Port (J1) Input Port (J2) Output Ports (J3,J4) Model N Female H3670-10 N Female N Female H3670-12 N Female SMA SMA H3670-102 SMA SMA SMA • Unit designed to operate continuously with one input failure at rated power.

• Unit designed to operate as a Non-Coherent Combiner at 200 W / input.

• Should the unit be used as a 0° In-Phase Combiner/Divider, J1 is the Input Port, J3 & J4 are the Output Ports, and J2 is the Load Port, in which the customer terminates it externally with a 50 Ohm Load.

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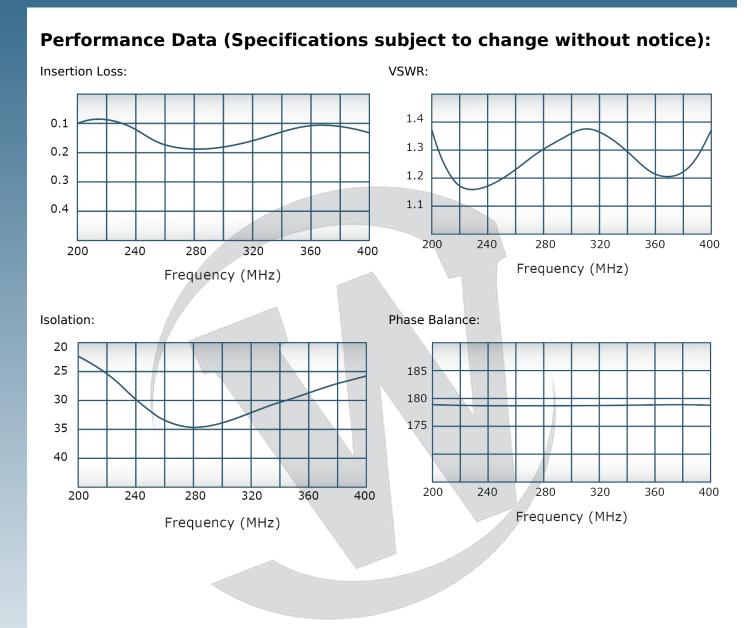
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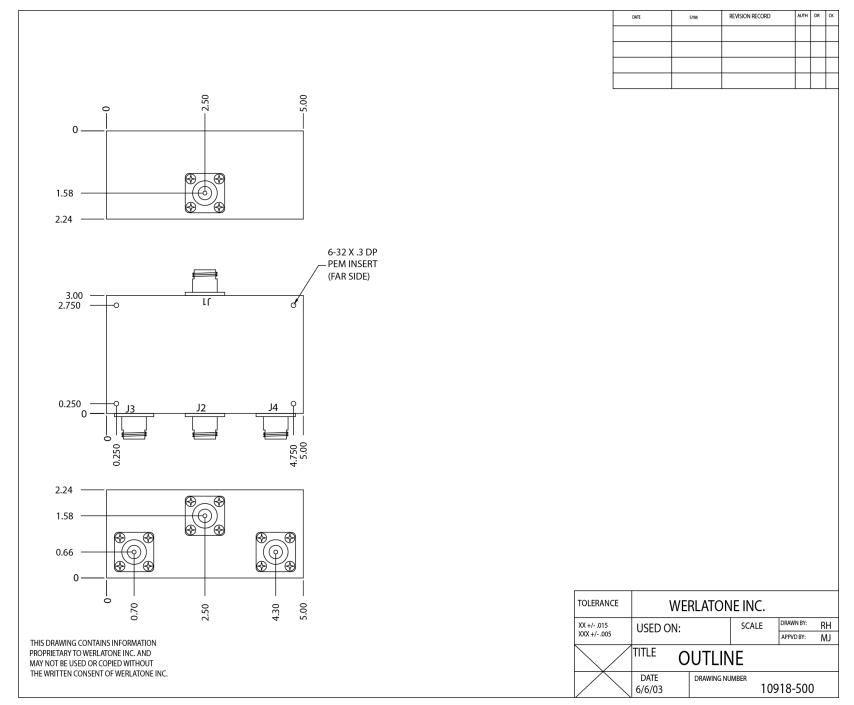
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H3670 Rev.-



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