

PRODU	T DATA SHEET C10234
	<b>4-Port Dual Directional Coupler</b> employs two, 3-Port Uni-Directional Couplers, internally connected, in tandem, providing measurement of both forward and reverse power. Ideal for simultaneously monitoring a system's forward and reverse power and for reflectometer measurements. Unlike the Bi-Directional Coupler, the directivity of the Dual Directional Coupler is unaffected by the loads on the coupled ports.
	Features:
	High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available
	Electrical Specifications:
	Frequency: $30 - 520 \text{ MHz}$ Power: $3000 \text{ W CW}$ Coupling: $56 \pm 1.0 \text{ dB Max}$ .Insertion Loss: $0.2 \text{ dB Max}$ .Flatness: $\pm 0.3 \text{ dB Max}$ .VSWR (ML): $1.15:1 \text{ Max}$ .Directivity: $20 \text{ dB Min}$ . <b>Mechanical Specifications:</b> Type:Mechanical Specifications:Type:ConnectorizedMaterial:Aluminum 6061-T6Surface Finish:Chem. Film Per MIL-DTL-5541FType I Class 3 (Yellow Iridite)RoHS Compliant AvailableOperating Temperature: $-55^{\circ}$ C to $+75^{\circ}$ CStorage Temperature: $-60^{\circ}$ C to $+85^{\circ}$ CHumidity: $95\%$ Non-CondensingSize: $6.0 \times 3.0 \times 1.6"$ Connector Configurations:
	ModelInput (J1)Output (J2)Fwd (J3)Rev (J4)C10234-207/16 Female7/16 FemaleN FemaleN FemaleC10234-227/16 Female7/16 FemaleSMASMAC10234-237/16 Female7/16 FemaleBNCBNCC10234-7287/16 Male7/16 FemaleSMASMA

**Werlatone**<sup>®</sup> Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant<sup>®</sup>, will operate continuously, at rated power, into a severe load mismatch condition. Our multi-octave Directional Couplers maintain exceptional coupling flatness, directivity, VSWR, and insertion loss.

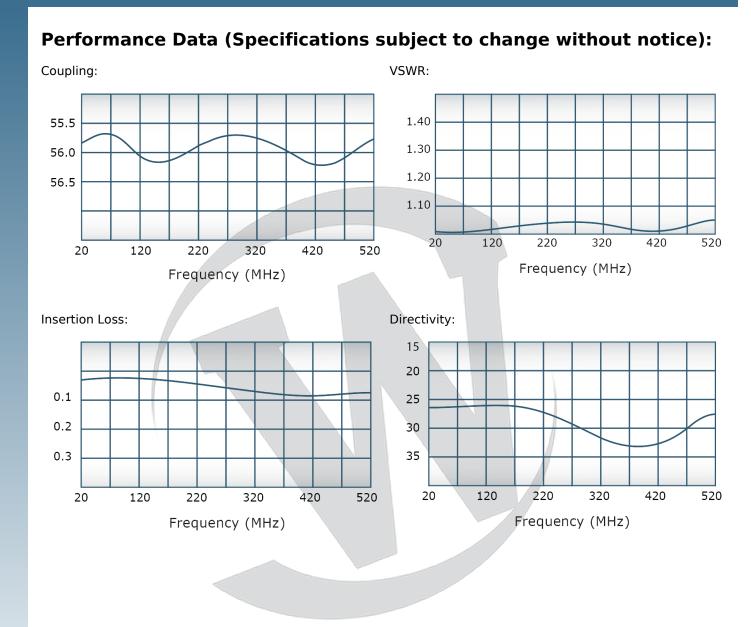
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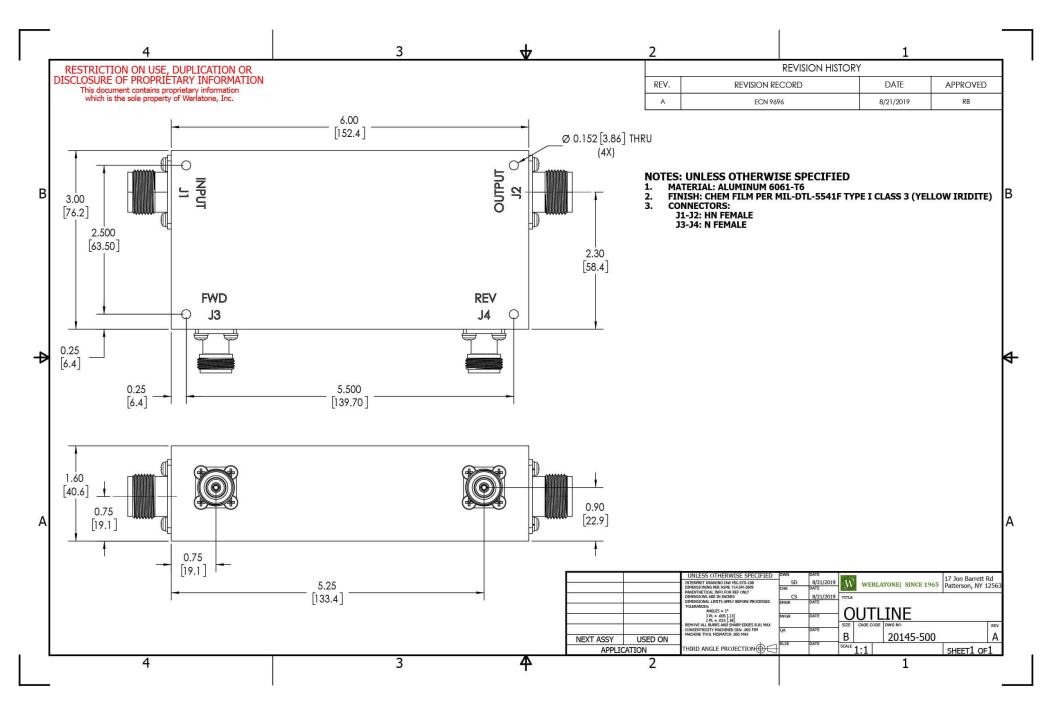
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C10234 Rev.-



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C10234 Rev.-