

PRODUCT DATA SHEET



C11078

PRODUC	T DATA SHEET				C11078	8
	<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: $1 - 1000 \text{ MHz}$ Power: $1000 \text{ W CW}$ Coupling: $43 \pm 1.0 \text{ dB Max.}$ Insertion Loss: $0.45 \text{ dB Max.}$ Flatness: $\pm 0.5 \text{ dB Max.}$ VSWR (ML): $1.30:1 \text{ Max.}$ Directivity: $20 \text{ dB Min.}$ 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: $6.7 \times 2.27 \times 1.69^{''}$					
	Connector Configurations:					
	<b>Model</b> C11078-41 C11078-43	Input (J1) SC Female SC Female	Output (J2) SC Female SC Female	Fwd (J3) N Female SMA	<b>Rev (J4)</b> N Female SMA	

**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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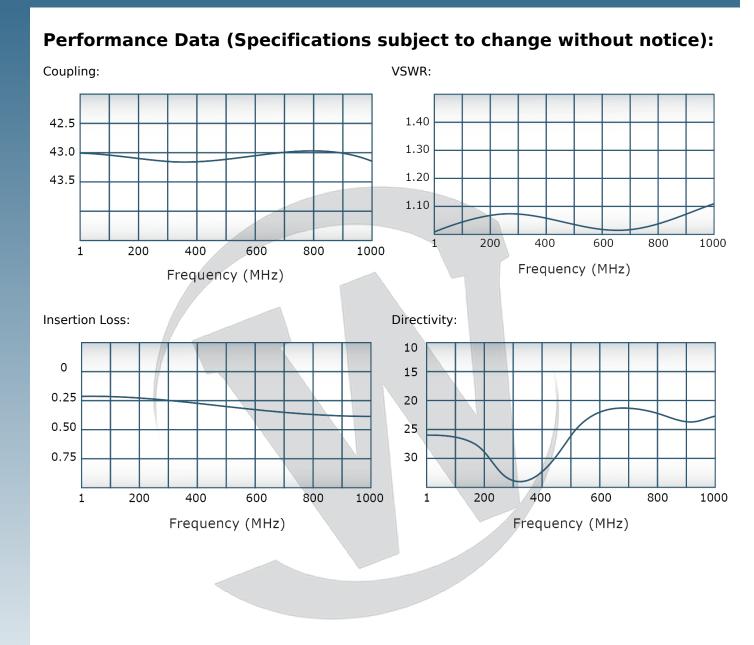
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com



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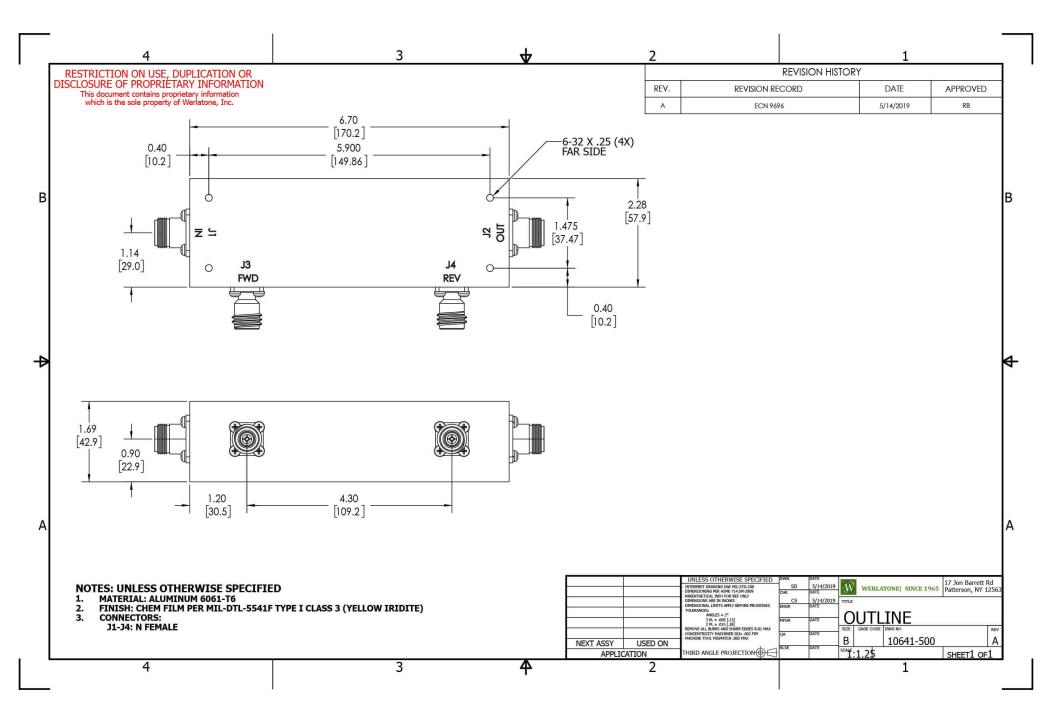
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C11078 Rev.-



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C11078 Rev.-