



PRODUCT DATA SHEET C5						C5544
		4-Port Dual Directional Coupler employs two, 3-Port Uni-Directional Couplers, internally connected, in				
		tandem, providing measurement of both forward and reverse power. Ideal for simultaneouly monitoring a system's forward and reverse power and for reflectometer measurements. Unlike the Bi-Directional Coupler, the directivity of t 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: $1 - 500 \text{ MHz}$ Power: $30 \text{ W CW}$ Coupling: $30 \pm 1.0 \text{ dB Max}$ .Flatness: $\pm 0.5 \text{ dB Max}$ .Insertion Loss: $0.9 \text{ dB Max}$ .VSWR (ML): $1.20:1 \text{ Max}$ .Directivity: $20 \text{ dB Min}$ .						
		Mechanical Specifications:				
	Type: Connectorized   Material: Aluminum 6061-T6   Suface Finish: Chem. Film Per MIL-DTL-5541F   Type I Class 3 (Yellow Iridite)   RoHS Compliant Available					
	Operating Temperature:-55°C to +75°CStorage Temperature:-60°C to +85°CHumidity:95% Non-CondensingSize:5.2 x 2.67 x 1.69"					
		Connector Configurations:				
		Model	Input (J1)	Output (J2	) Fwd (J3)	Rev (J4)
		C5544-10	N Female	N Female	N Female	N Female
		C5544-12 C5544-13	N Female N Female	N Female N Female	SMA BNC	SMA BNC
		C5544-102	SMA	SMA	SMA	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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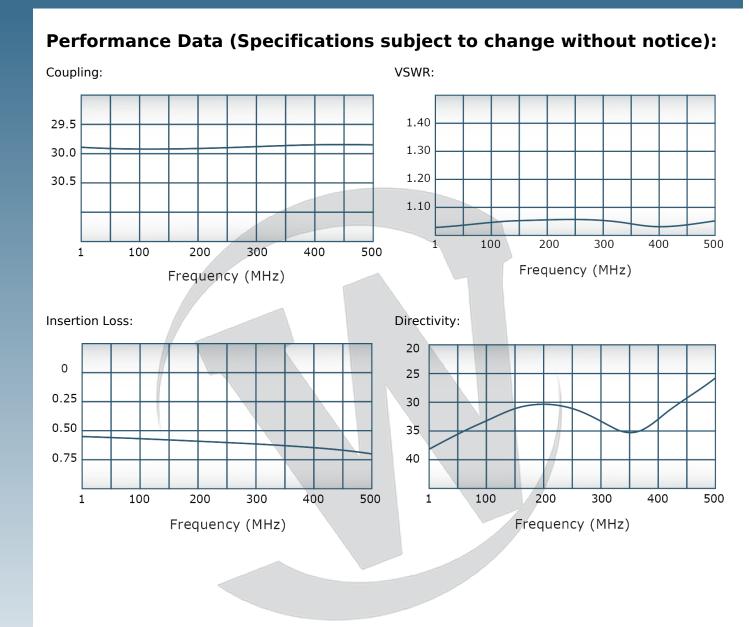
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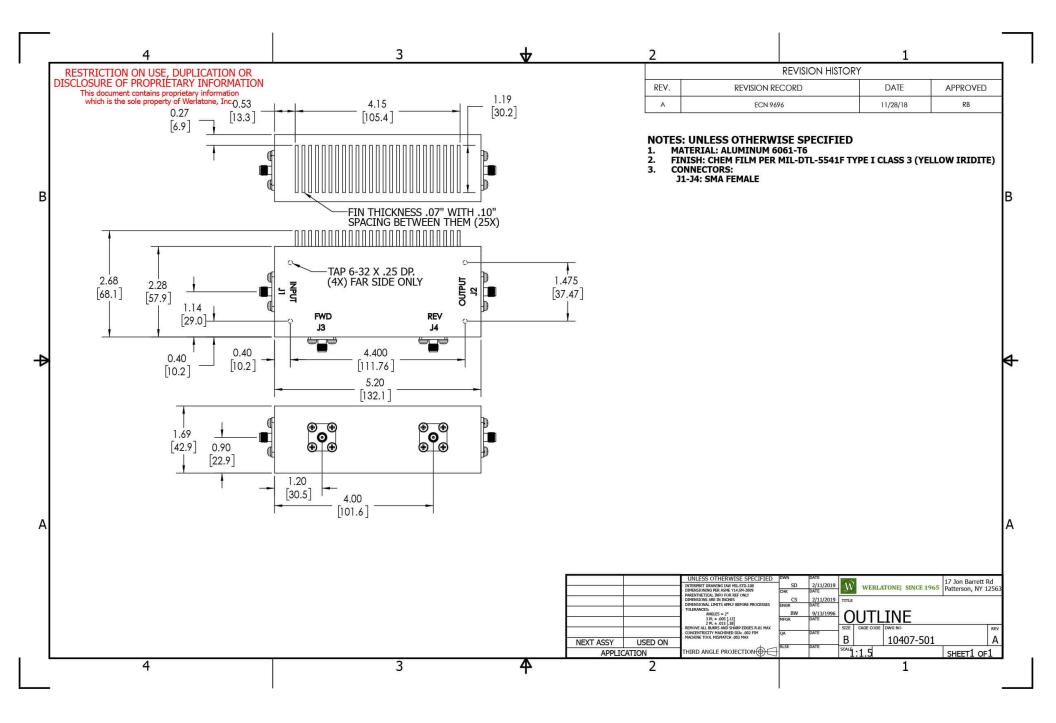
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C5544 Rev.-



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