



PRODUC	DATA SHEET C5023	
	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 simultaneously monitoring a system's forward and reverse power and for reflectometer measurements. Unlike the Bi-Directional Coupler, th directivity of the Dual Directional Coupler is unaffected by the loads on the coupled ports.	e
	Features:	
	High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available	
	Electrical Specifications:	
	Frequency: $2 - 30 \text{ MHz}$ Power: $25,000 \text{ W CW}$ Coupling: $60 \pm 1.0 \text{ dB Max}$.Insertion Loss: 0.05 dB Max .Flatness: $\pm 0.5 \text{ dB Max}$.VSWR (ML): $1.10:1 \text{ Max}$.Directivity: 20 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° C to $+75^{\circ}$ CStorage Temperature: -60° C to $+85^{\circ}$ CHumidity: 95% Non-CondensingSize: $6''$ Line Section	
	Connector Configurations:	
	Model Input (J1) Output (J2) Fwd (J3) Rev (J4) C5023-91 3 1/8" EIA 3 1/8" EIA N Female N Female C5023-93 3 1/8" EIA 3 1/8" EIA SMA SMA C5023-94 3 1/8" EIA 3 1/8" EIA BNC BNC	

Werlatone[®] 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[®], 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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PRODUCT DATA SHEET



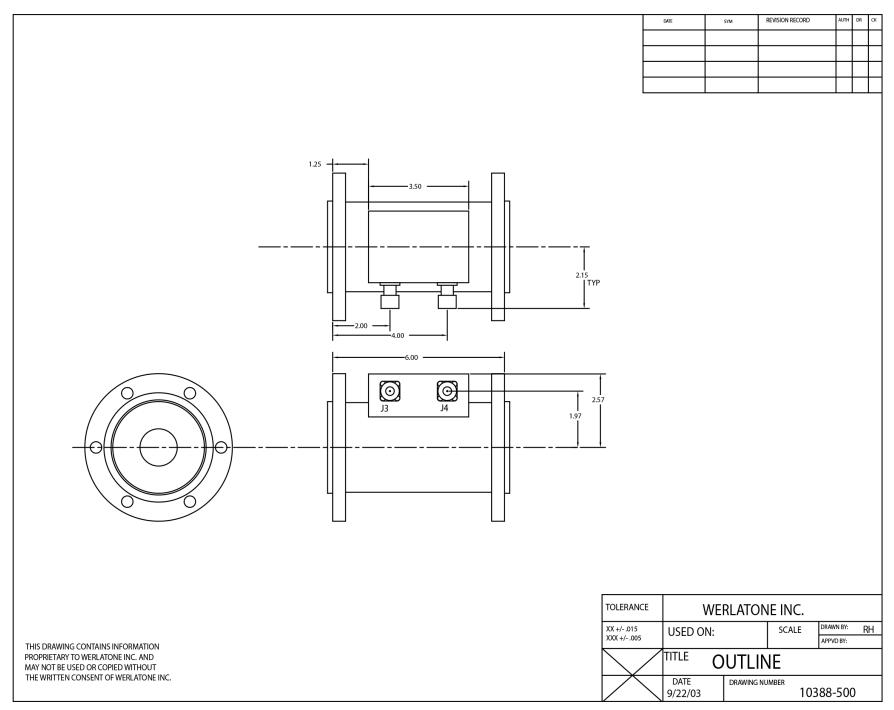
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Performance Data (Specifications subject to change without notice): VSWR: Coupling: 1.40 59.5 1.30 60.0 60.5 1.20 1.10 18 24 2 7 13 30 7 13 18 24 30 2 Frequency (MHz) Frequency (MHz) Insertion Loss: Directivity: 20 0.05 25 0.10 30 0.15 35 7 13 18 24 7 13 18 24 2 30 2 30 Frequency (MHz) Frequency (MHz)

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