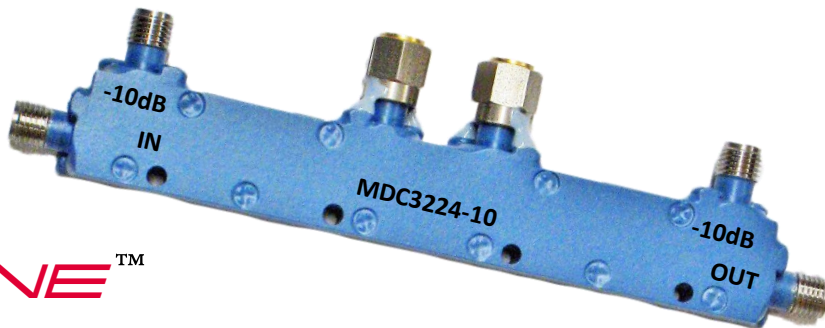


# Octave Band Dual-Directional Coupler

Data Sheet



## MDC3224 Series



**MDC3224 Series** couplers feature reliable Stripline construction using multi-section designs which provides power sampling up to 50 watts CW in miniature coaxial packages that have proven performance and reliability under extreme environmental conditions. Couplers exhibit excellent performance and may be used in a wide variety of applications including military, commercial, broadcast, medical, aerospace and wireless. All couplers are manufactured in the USA.

### NOTES:

**MATERIAL:** Aluminum Alloy, 6061-T651

**FINISH:** Blue Powder Coat as per MIL-PRF-24712A

**MARKING:** Permanent Black Epoxy Ink per MIL-I-43553A

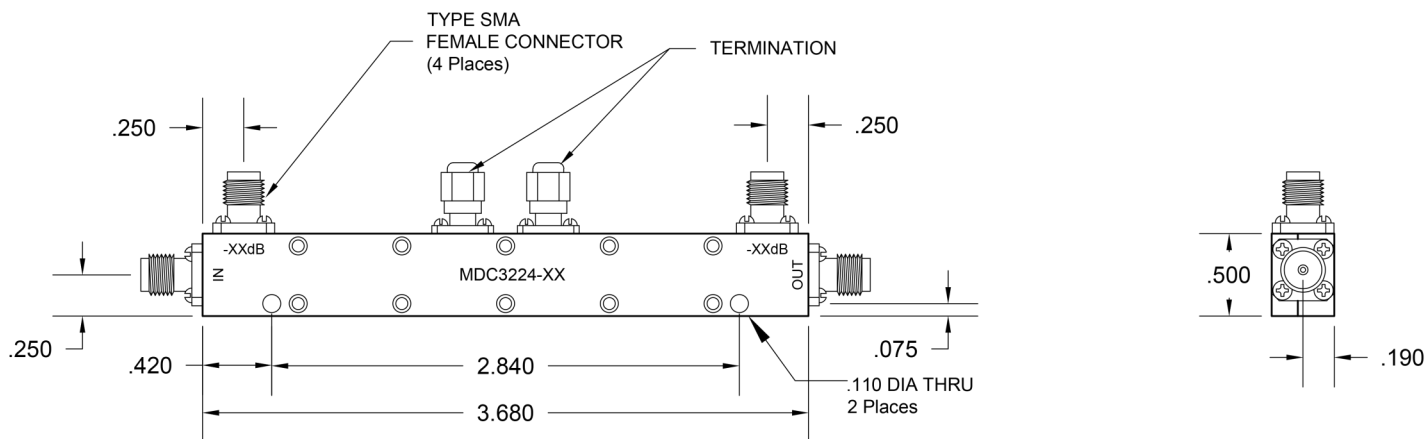
**OPERATING TEMPERATURE:** -55°C to +85°C

**CONNECTORS:** SMA Female, SS, Passivated per MIL-C-39012

Model Number	*Coupling (dB)	Frequency Sensitivity (dB)	Ins. Loss (dB max.)	Directivity (dB min.)	VSWR (max.)		Power (Watts max.)	
					Primary Line	Coupled Port	Average	Peak
MDC3224-6	6 ± 1.00	± 0.60	3.50	22	1.15	1.15	5	3k
MDC3224-10	10 ± 1.25	± 0.80	1.50	22	1.15	1.10	10	3k
MDC3224-20	20 ± 1.25	± 0.80	0.50	22	1.15	1.10	50	3k
MDC3224-30	30 ± 1.25	± 0.80	0.40	22	1.15	1.10	50	3k

Specifications subject to change without notice

\* Includes Frequency Sensitivity



[www.preferredpowerproducts.com](http://www.preferredpowerproducts.com)

Tel: 1-772-291-2549 | [sales@preferredpowerproducts.net](mailto:sales@preferredpowerproducts.net)

STUART, FL 34997