

Octave Band Dual-Directional Coupler

Data Sheet



0.5 - 1.0 GHz

MINI-LINE™



MDC3223 Series



MDC3223 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

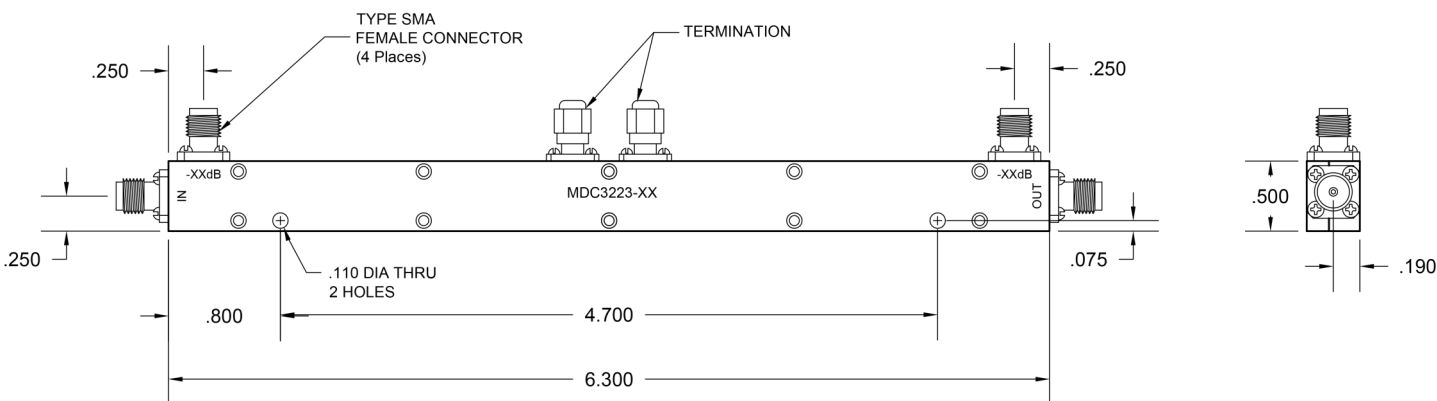
OPERATING TEMPERATURE: -55°C to +85°C

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
MDC3223-6	6 ± 1.00	± 0.50	3.50	22	1.15	1.15	5	3k
MDC3223-10	10 ± 1.25	± 0.80	1.50	22	1.15	1.10	10	3k
MDC3223-20	20 ± 1.25	± 0.80	0.50	22	1.15	1.10	50	3k
MDC3223-30	30 ± 1.25	± 0.80	0.40	22	1.15	1.10	50	3k

Specifications subject to change without notice

* Includes Frequency Sensitivity



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