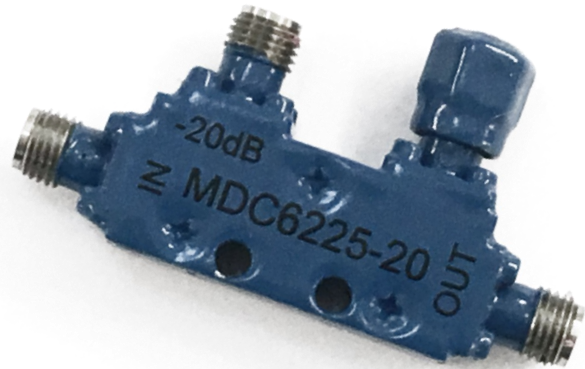


# Octave Band Directional Coupler

Data Sheet



2.0 - 4.0 GHz  
MINI-LINE™



## MDC6225 Series



**MDC6225 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

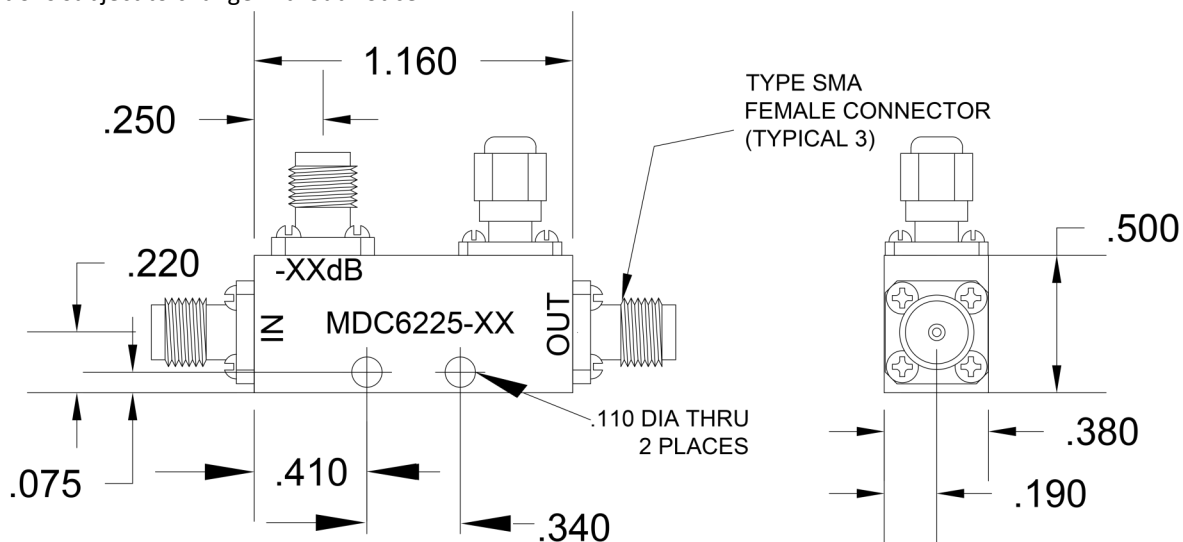
**OPERATING TEMPERATURE:** -55°C to +85°C

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

Model Number	*Coupling (dB)	Frequency Sensitivity (dB)	Ins. Loss (dB max.) Excluding Coupled Power		Directivity (dB min.)	VSWR (max.)		Power (Watts max.)		
			True			Primary Line	Coupled Port	Average Incident	Average Reflected	Peak
MDC6225-6	6 ± 1.00	± 0.60	0.20	1.80	22	1.15	1.15	50	2	3k
MDC6225-10	10 ± 1.25	± 0.75	0.20	0.80	22	1.15	1.15	50	5	3k
MDC6225-20	20 ± 1.25	± 0.75	0.15	0.20	22	1.15	1.15	50	50	3k
MDC6225-30	30 ± 1.25	± 0.75	0.15	0.20	22	1.15	1.15	50	50	3k

Specifications subject to change without notice

\* Theoretical Coupling Loss Not Included



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

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

STUART, FL 34997