

Wideband Directional Coupler

Data Sheet



4.0 - 12.4 GHz
MINI-LINE™



MDC2077 Series



Photo for representation purposes only

MDC2077 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 Paint 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

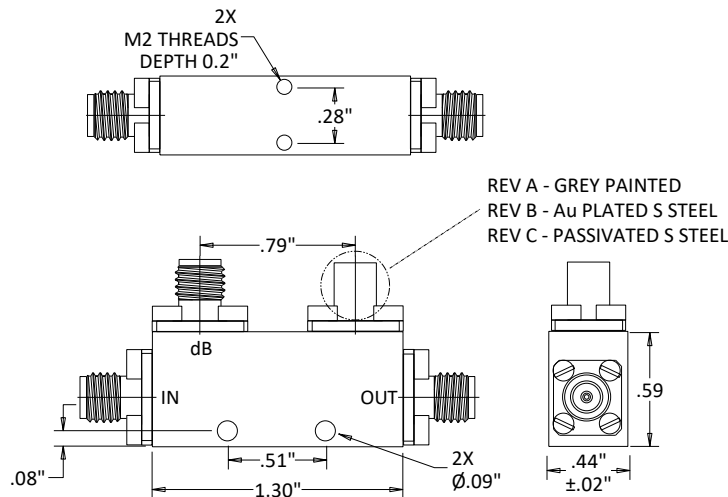
Model Number	*Coupling (dB)	Frequency Sensitivity (dB)	Ins. Loss (dB max.) Excluding Coupled Power		Directivity (dB min.)	VSWR (max.)		Power (Watts max.)		
			True			Primary Line	Coupled Port	Average Incident	Average Reflected	Peak
MDC2077-6	6 ± 1.00	± 0.30	0.50	2.20	17	1.30	1.30	50	2	2k
MDC2077-10	10 ± 1.00	± 0.30	0.50	1.20	17	1.30	1.30	50	5	2k
MDC2077-20	20 ± 1.00	± 0.40	0.60	0.65	12	1.50	1.50	50	50	2k
MDC2077-30	30 ± 1.00	± 0.50	0.50	0.55	17	1.30	1.30	50	50	2k

Specifications subject to change without notice

* Theoretical Coupling Loss Not Included

Dimensional Tolerances

.X	±.030
.XX	±.010
.XXX	±.005



www.preferredpowerproducts.com

Tel: 1-772-291-2549 | sales@preferredpowerproducts.net

STUART, FL 34997