

E-Series Coupler

5 - 1000 MHz

EMDC-10-1

V3.00

Features

- Coupling: +10 dB Typical
- Surface Mount

Specifications @ 25°C

Frequency Range	5 - 1000 MHz	
Coupling	Nominal	Flatness
5 - 1000 MHz	10 ±0.9 dB	0.8 dB
Main Line Loss	Typical	Maximum
5 - 50 MHz	1.1 dB	1.6 dB
50 - 500 MHz	1.0 dB	1.4 dB
500 - 1000 MHz	1.2 dB	2.3 dB
Directivity	Typical	Minimum
5 - 50 MHz	20 dB	17 dB
50 - 500 MHz	19 dB	15 dB
500 - 1000 MHz	17 dB	10 dB
Return Loss	Typical	Minimum
	17 dB	14 dB

Operating Characteristics

Impedance	50 Ohms Nominal
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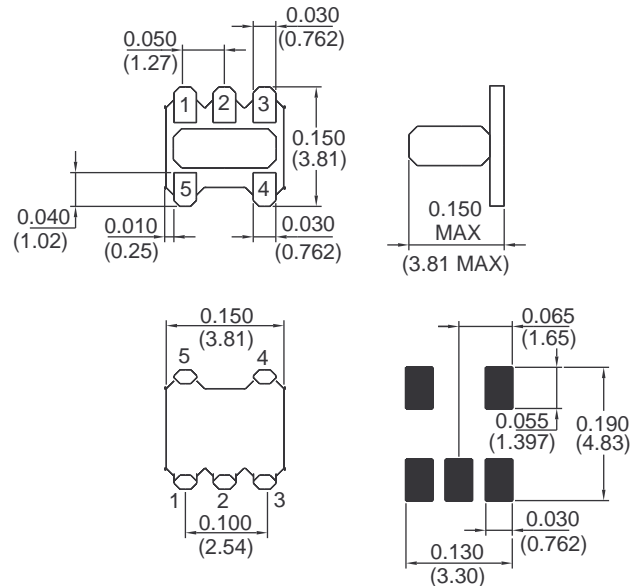
Ordering Information

Part No.	Packaging
EMDC-10-1	Tube
EMDC-10-1TR	Forward Tape & Reel

Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Power	250 mW
DC Current	30 mA
Operating/Storage Temp.	-20°C to +85°C

SM-22



Dimensions in () are in mm.
 Unless Otherwise Noted: .x = ±0.04 (1.00)
 .xx = ±0.02 (0.50)
 .xxx = ±0.010 (0.250)

Pin Configuration

Function	Pin No.
Input	1
Output	5
Coupled	3
Ground	2
External 50 Ohms	4

S 1037 A

Specifications Subject to Change Without Notice.

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