

E-Series Coupler

5 - 1000 MHz

ESDC-12-2-75

Features

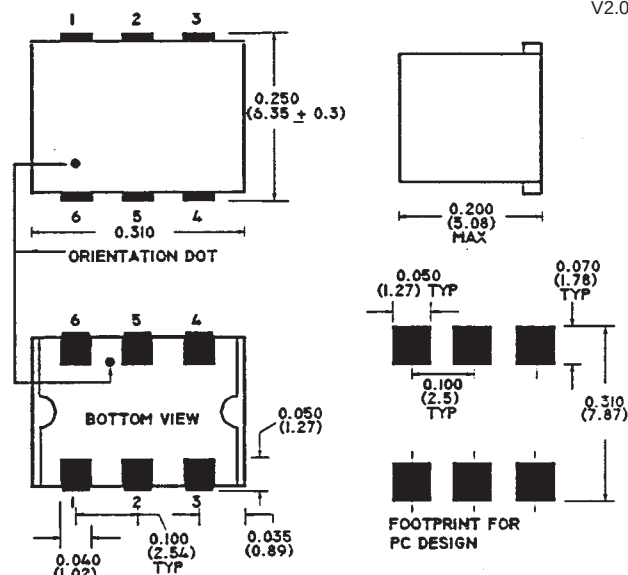
- * Coupling +12.5 dB Typical
- * Surface Mount

Specifications @ 25°C

Frequency Range 5 - 1000 MHz

Coupling 5 - 1000 MHz	Nominal 12.5 ± 1 dB	Flatness 1 dB
Main Line Loss	Typical	Maximum
5 - 50 MHz	0.9 dB	1.2 dB
50 - 500 MHz	1 dB	1.5 dB
500 - 1000 MHz	1.6 dB	2.2 dB
Directivity	Typical	Minimum
5 - 50 MHz	20 dB	16 dB
50 - 500 MHz	17 dB	14 dB
500 - 1000 MHz	10 dB	6 dB

SM-1



V2.00

Operating Characteristics

Impedance 75 Ohms Nominal

Absolute Maximum Ratings

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

Additional Specifications

I/P Return Loss: 18dB typ, 16dB min.

O/P Return Loss: 22dB typ, 18dB min.

Coupled Port Return Loss: 5-50MHz; 16dB min.

50-500MHz; 18dB min.

500-1000MHz; 12dB min.

Function	Pin No.
Input	6
Output	1
Coupled	4
Ground	-
Case Ground	3
External 75 Ohms	-
Not Connected	5

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M/A-COM, Inc.

Specifications Subject to Change Without Notice.

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