

# E-Series Coupler

## 40 - 1000 MHz

**EMDC-16-2-75**

V3.00

### Features

- Coupling: +16 dB Typical
- Surface Mount

### Specifications @ 25°C

Frequency Range	40 - 1000 MHz	
Coupling	Nominal 16 ±1.1 dB	
Main Line Loss	Typical	Maximum
40 - 400 MHz	0.5 dB	0.8 dB
400 - 500 MHz	0.5 dB	0.8 dB
500 - 1000 MHz	0.6 dB	1.0 dB
Directivity	Typical	Minimum
40 - 400 MHz	19 dB	14 dB
400 - 500 MHz	15 dB	10 dB
500 - 1000 MHz	7 dB	3 dB
Return Loss	Typical	Minimum
I/P	22 dB	18 dB
O/P	19 dB	15 dB
Coupled Port	21 dB	15 dB

### Operating Characteristics

Impedance	75 Ohms Nominal
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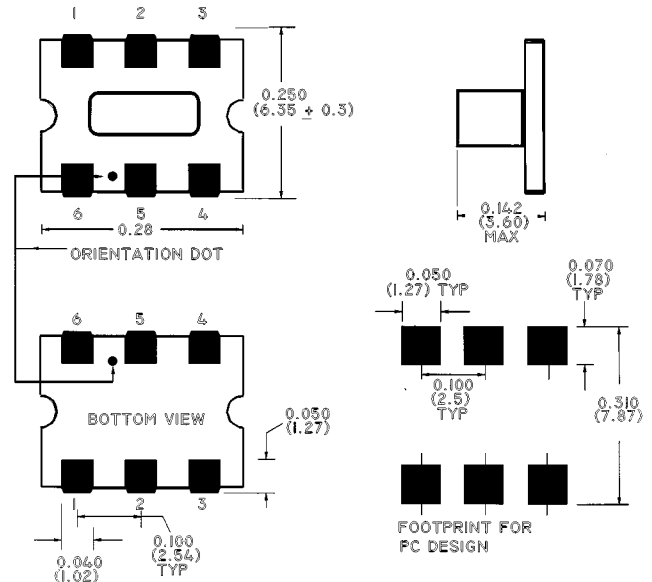
### Ordering Information

Part No.	Packaging
EMDC-16-2-75	Tube

### Absolute Maximum Ratings

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

### SM-55



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	6
Output	1
Coupled	4
Ground	2,5
External 75 Ohms	3

Specifications Subject to Change Without Notice.

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