

# E-Series Coupler

## 5 - 1000 MHz

### ESDC-13-2-75

V2.00

#### Features

- Coupling: +13 dB Typical
- Surface Mount

#### Specifications @ 25°C

Frequency Range	5 - 1000 MHz		
Coupling	Nominal	Flatness	
	5 - 50 MHz 50 - 1000	13 ±1.3 dB 13 ±0.8 dB	1.3 dB 1.3 dB
Main Line Loss	Typical	Maximum	
	5 - 50 MHz 50 - 500 MHz 500 - 1000 MHz	2.2 dB 1.5 dB 1.3 dB	2.7 dB 1.8 dB 1.5 dB
	Directivity	Typical	Minimum
5 - 50 MHz 50 - 500 MHz 500 - 1000 MHz	30 dB 24 dB 21 dB	20 dB 18 dB 10 dB	
Coupling Factor	13 ±1.3 dB		
	5 - 50 MHz 50 - 1000 MHz	13 ±0.8 dB	
Return Loss	Typical	Minimum	
	12 dB	8 dB	

#### Operating Characteristics

Impedance	75 Ohms Nominal
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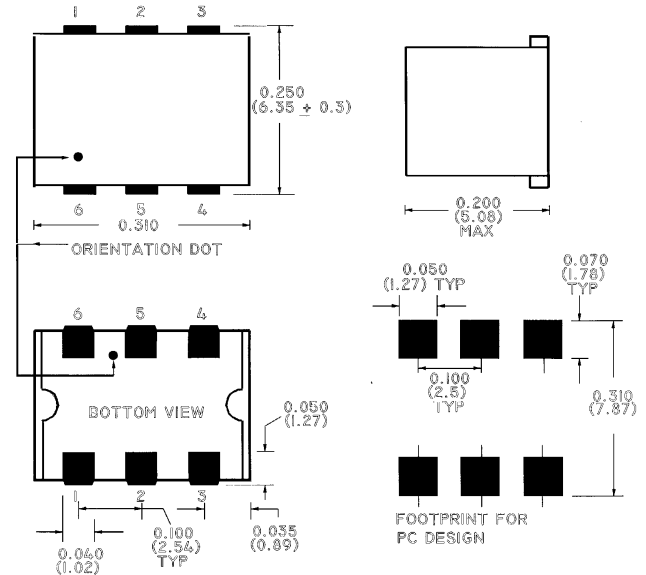
#### Ordering Information

<b>Part No.</b>	<b>Packaging</b>
ESDC-13-2-75	Tube
ESDC-13-2-75TR	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-1



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	5
Case Ground	5
External 75 Ohms	3
Not Connected	2

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Specifications Subject to Change Without Notice.

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