

E-Series Coupler

5 - 900 MHz

ESDC-8-2-75

V2.00

Features

- Coupling: +8.5 dB Typical
- Surface Mount

Specifications @ 25°C

Frequency Range	5 - 900 MHz	
Coupling	Nominal	Flatness
5 - 900 MHz	8.5 ±1.2 dB	1 dB
Main Line Loss	Typical	Maximum
5 - 50 MHz	1.9 dB	2.5 dB
50 - 450 MHz	1.9 dB	2.3 dB
450 - 900 MHz	1.9 dB	2.1 dB
Directivity	Typical	Minimum
5 - 50 MHz	19 dB	16 dB
50 - 450 MHz	17 dB	14 dB
450 - 900 MHz	13 dB	10 dB
Return Loss	Typical	Minimum
	14 dB	11 dB

Operating Characteristics

Impedance	75 Ohms Nominal
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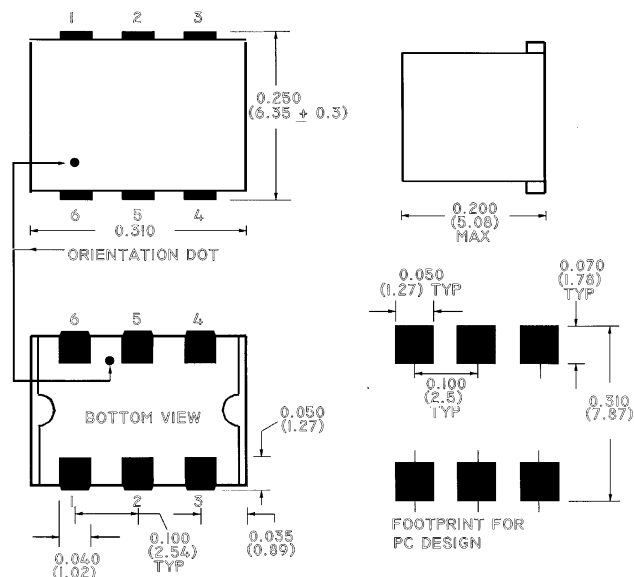
Ordering Information

Part No.	Packaging
ESDC-8-2-75	Tube
ESDC-8-2-75TR	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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