E-Series Coupler
5 - 750 MHz

ESDC-7-1-75

V3.00

Features

- Coupling: +7 dB Typical
- Surface Mount

Specifications @ 25°C

Frequency Range		5 - 750 MHz
Coupling	Nominal	Flatness
5 - 750 MHz	7 ±1 dB	1 dB
Main Line Loss	Typical	Maximum
5 - 50 MHz	2.2 dB	2.6 dB
50 - 375 MHz	2.2 dB	2.5 dB
375 - 750 MHz	2.3 dB	2.8 dB
Directivity	Typical	Minimum
5 - 50 MHz	16 dB	12 dB
50 - 375 MHz	16 dB	12 dB
375 - 750 MHz	17 dB	11 dB
Return Loss	Typical	Minimum
	15 dB	11 dB

Operating Characteristics

Impedance	75 Ohms Nominal

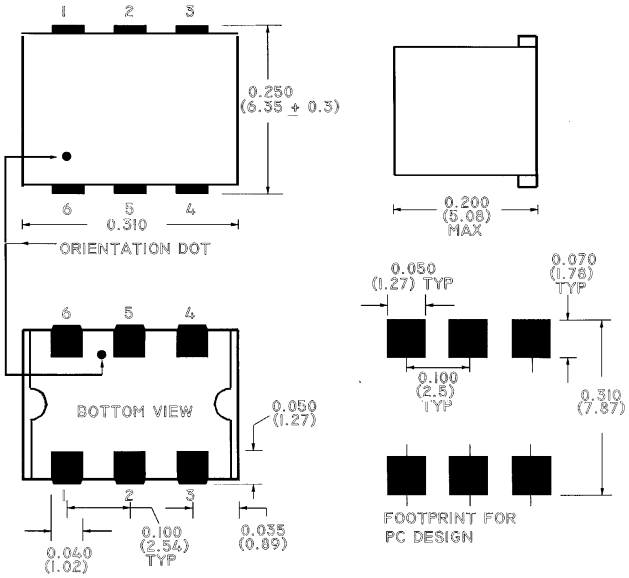
Ordering Information

Part No.	Packaging
ESDC-7-1-75	Tube
ESDC-7-1-75TR	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

North America: Tel. (800) 366-2266 Fax (800) 618-8883 ■ Asia/Pacific: Tel. +81 (03) 3226-1671 Fax +81 (03) 3226-1451 ■ Europe: Tel. +44 (1344) 869 595 Fax +44 (1344) 300 020