

# E-Series Coupler |IRFSTART| - |IRFST

## ESDC-10-5-75

### Features

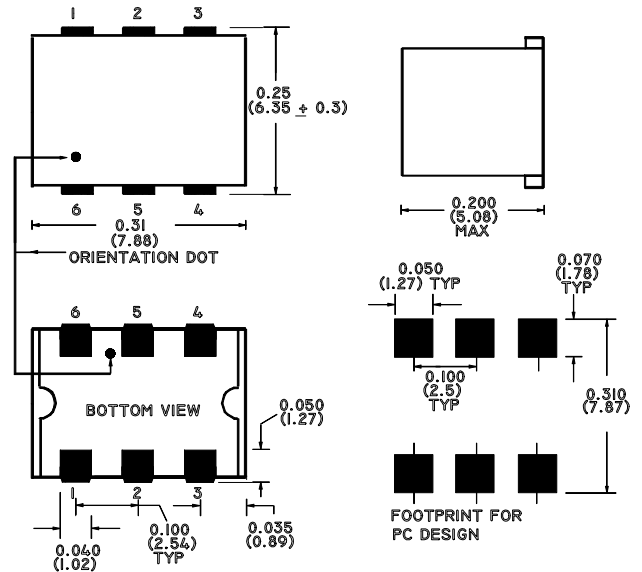
- \* Coupling +10.5 dB Typical
- \* Surface Mount

### Specifications @ 25°C

Frequency Range **5 - 1000 MHz**

Coupling 5 - 1000 MHz	Nominal 10.5±1 dB	Flatness 1.2 dB
Main Line Loss 5 - 50 MHz	Typical 1.2 dB	Maximum 1.6 dB
50 - 500 MHz	1.3 dB	1.5 dB
500 - 1000 MHz	1.4 dB	1.7 dB
Directivity 5 - 50 MHz	Typical 22 dB	Minimum 18 dB
50 - 500 MHz	20 dB	15 dB
500 - 1000 MHz	14 dB	7 dB

SM-1



### 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: 17dB Typ, 14dB Min

O/P Return Loss: 23dB Typ, 18dB Min

Coupled Port Return Loss: 17dB Typ, 14dB Min

Function	Pin No.
Input	6
Output	1
Coupled	4
Ground	5
Case Ground	5
External 75 Ohms	3
Not Connected	2