

# E-Series 2-Way 0° Power Divider

## 40 - 1000 MHz

### ESSM-2-7-75

V3.00

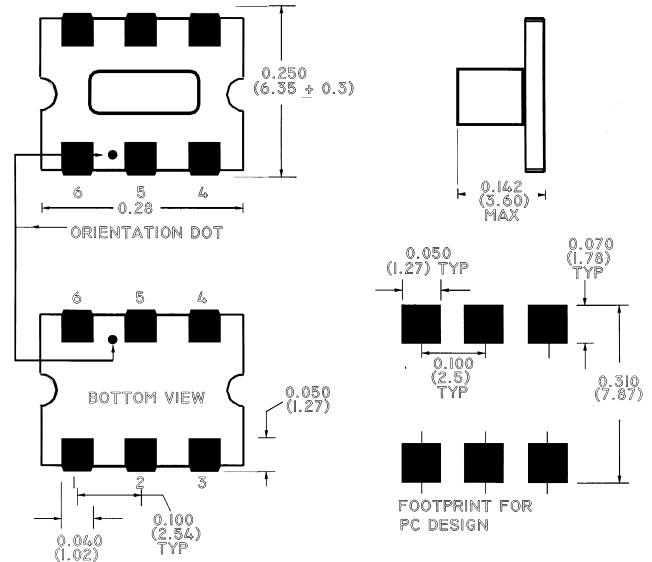
#### Features

- 2 Way
- 0°
- Surface Mount

#### Specifications @ 25°C

Frequency Range	40 - 1000 MHz		
Insertion Loss	Typical	Maximum	
	40 - 400 MHz	0.4 dB	0.7 dB
	400 - 500 MHz	0.5 dB	0.9 dB
	500 - 1000 MHz	0.8 dB	1.5 dB
Isolation	Typical	Minimum	
	40 - 400 MHz	28 dB	20 dB
	400 - 500 MHz	23 dB	17 dB
	500 - 1000 MHz	18 dB	11 dB
Amplitude Unbalance	Maximum		
	40 - 400 MHz	0.4 dB	
	400 - 500 MHz	0.5 dB	
	500 - 1000 MHz	0.5	
Phase Unbalance	Maximum		
	40 - 400 MHz	2°	
	400 - 500 MHz	3°	
	500 - 1000 MHz	6°	
Return Loss	Typical	Minimum	
	I/P	30 dB	14 dB
	O/P	25 dB	17 dB

#### 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)

#### Operating Characteristics

Impedance	75 Ohms Nominal
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#### Absolute Maximum Ratings

Parameter	Absolute Maximum
Maximum Power Rating	1 Watt
Internal Load Dissipation	0.125 Watt
Pin Temp (10 sec)	260°C
Storage Temperature	-55°C to 100°C
Operating Temperature	0°C to 70°C

Note: Units shipped in tubes.

#### Pin Configuration

Function	Pin No.
Not Connected	5,2
Ground	1
Input	6
Port 1	4
Port 2	3

S 1158 A

Specifications Subject to Change Without Notice.

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