



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

Operating Characteristics

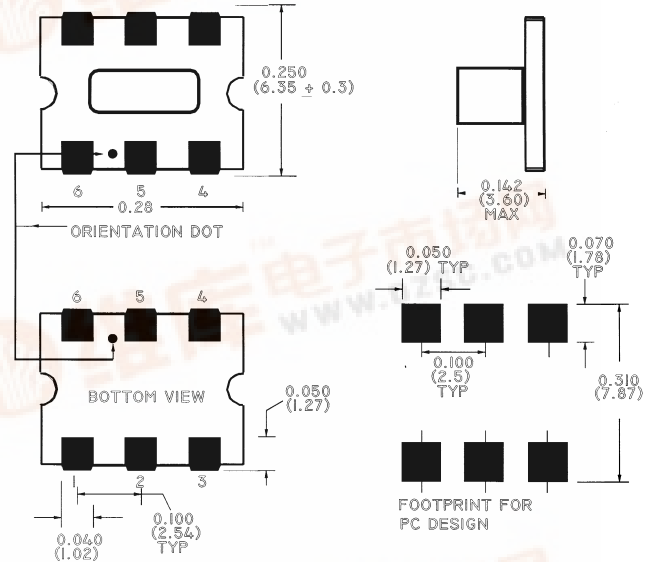
Impedance	75 Ohms Nominal
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Absolute Maximum Ratings

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.

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)

Pin Configuration

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