

E-Series 2-Way 0° Power Divider

5 - 1000 MHz

ESSMJ-2-10-75

V3.00

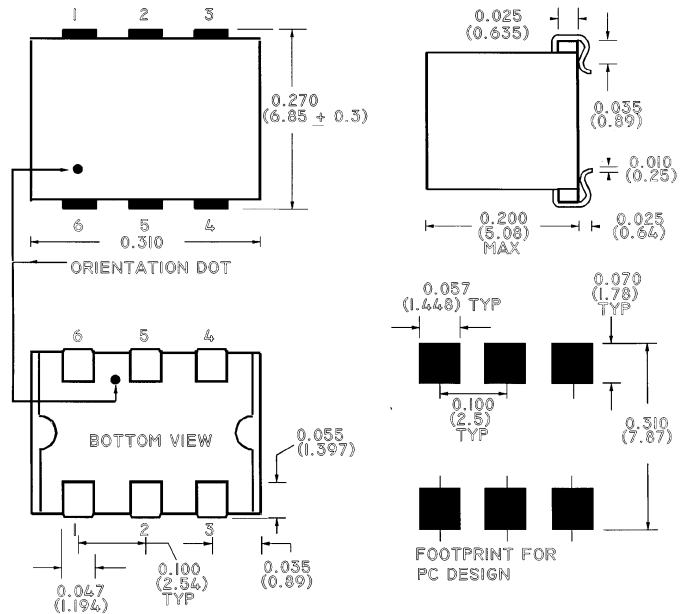
Features

- 2 Way
- 0°
- Surface Mount

Specifications @ 25°C

| | | | |
|---------------------|----------------|---------|--------|
| Frequency Range | 5 - 1000 MHz | | |
| Insertion Loss | Typical | Maximum | |
| | 5 - 50 MHz | 0.2 dB | 0.5 dB |
| | 50 - 500 MHz | 0.4 dB | 0.8 dB |
| | 500 - 1000 MHz | 0.7 dB | 1.3 dB |
| Isolation | Typical | Minimum | |
| | 5 - 50 MHz | 26 dB | 20 dB |
| | 50 - 500 MHz | 29 dB | 22 dB |
| | 500 - 1000 MHz | 22 dB | 16 dB |
| Amplitude Unbalance | Maximum | | |
| | 5 - 50 MHz | 0.1 dB | |
| | 50 - 500 MHz | 0.3 dB | |
| | 500 - 1000 MHz | 0.7 dB | |
| Phase Unbalance | Maximum | | |
| | 5 - 50 MHz | 1° | |
| | 50 - 500 MHz | 3° | |
| | 500 - 1000 MHz | 5° | |
| Return Loss | Minimum | | |
| | I/P | 12 dB | |
| | O/P | 15 dB | |

SM-44



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 |
|-----------|-----------------|

Ordering Information

| | |
|---------------|-----------|
| Part No. | Packaging |
| ESSMJ-2-10-75 | Tube |

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 |

Pin Configuration

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

S 0952 B

Specifications Subject to Change Without Notice.

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