

E-Series 2-Way 0° Power Divider

40 - 1000 MHz

ESSM-2-7-75

V3.00

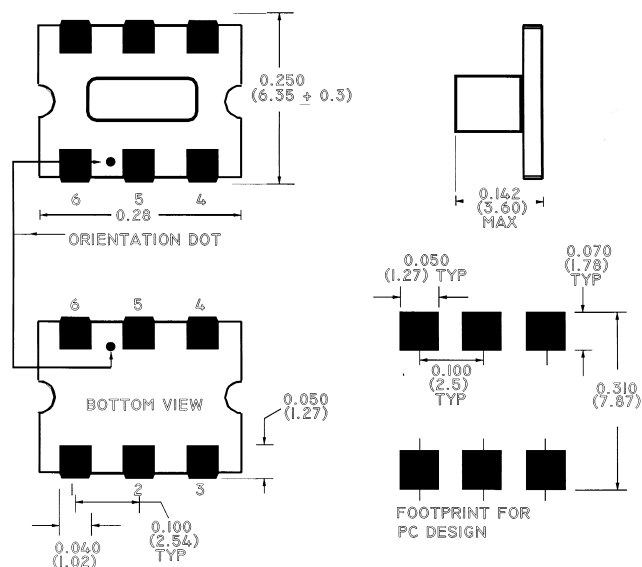
Features

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

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