# Three-Way Power Dividers
# 1 - 300 MHz

## DS-117/308

V2.00

### Features

- Low Loss: 0.5 dB Typ.
- Impedance: 50 Ohms Nom.
- Power Rating: 1.0 W Max.
- Internal Load Dissipation: 0.05 W Max.
- Flatpack and Connectorized Packages
- MIL-STD-202 Screening Available

### Guaranteed Specifications* (From -55°C to +85°C)

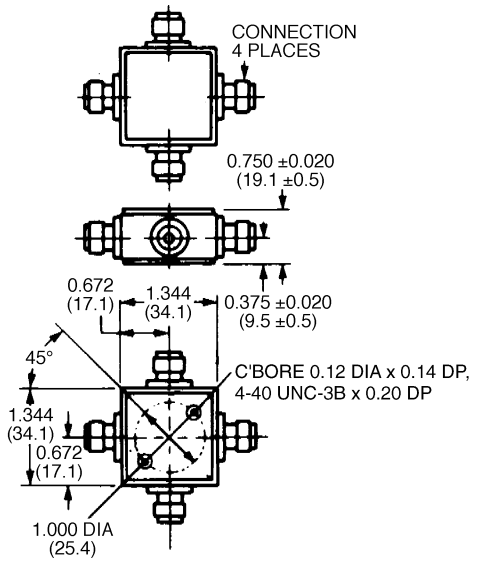
| | | |
|---|---|---|
| **Frequency Range** | | 1-300 MHz |
| **Insertion Loss (Less coupling)** | 2-200 MHz | 0.75 dB Max |
| | 1-300 MHz | 1.0 dB Max |
| **Isolation** | 2-200 MHz | 30 dB Min |
| | 1-300 MHz | 20 dB Min |
| **Amplitude Balance** | | 0.25 dB Max |
| **Phase Balance** | 2-200 MHz | 3° Max |
| | 1-300 MHz | 4° Max |
| **VSWR (All Ports)** | 2-200 MHz | 1.3:1 Max |
| | 1-300 MHz | 1.5:1 Max |

*All specifications apply with 50 ohm source and load impedance.

### Ordering Information

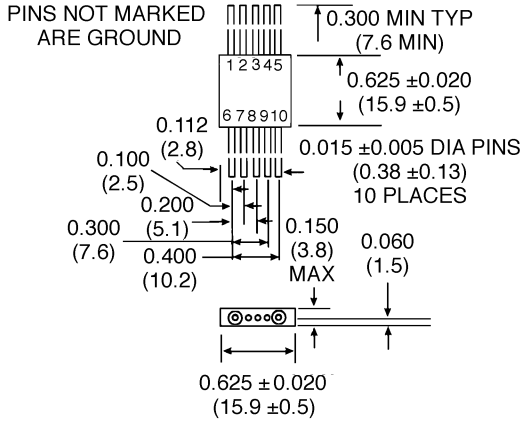
| Part Number | Package |
|---|---|
| DS-117 PIN | FP-3 Flatpack |
| DS-308 BNC | C-8 Connectorized |
| DS-308 N | C-8 Connectorized |
| DS-308 SMA | C-8 Connectorized |

### C-8




Dimensions in ( ) are in mm.
Unless Otherwise Noted: .xxx = ±0.015 (.x = ±0.4)
WEIGHT (APPROX.): 2.5 OUNCES 71 GRAMS

### FP-3




Dimensions in ( ) are in mm.
Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)
.xx = ±0.02 (.x = ±0.5)
WEIGHT (APPROX.): 0.12 OUNCES 3.4 GRAMS



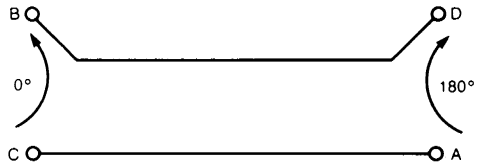

North America: Tel. (800) 366-2266 Fax (800) 618-8883 ■ Asia/Pacific: Tel. +81 (03) 3226-1671 Fax +81 (03) 3226-1451 ■ Europe: Tel. +44 (1344) 869 595 Fax +44 (1344) 300 020

## Pin Configuration DS-117

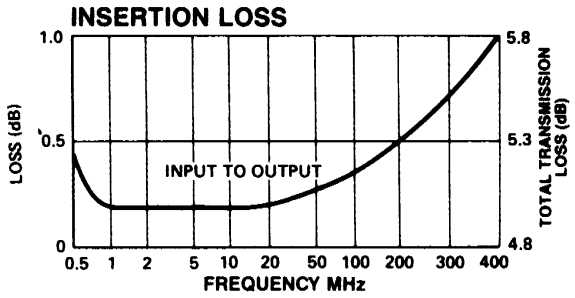
| Pin | Description |
|---|---|
| 3 | Input |
| 6 | Output |
| 8 | Output |
| 10 | Output |

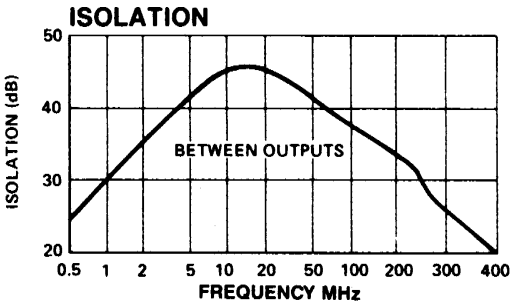
Case and all other pins are ground.

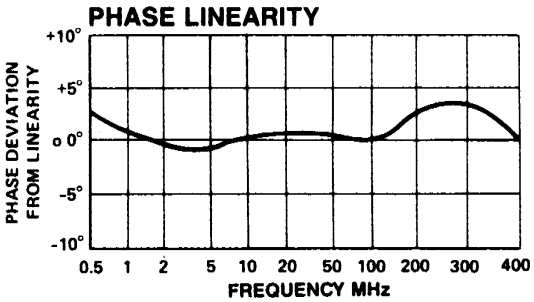
## Pin Configuration DS-308

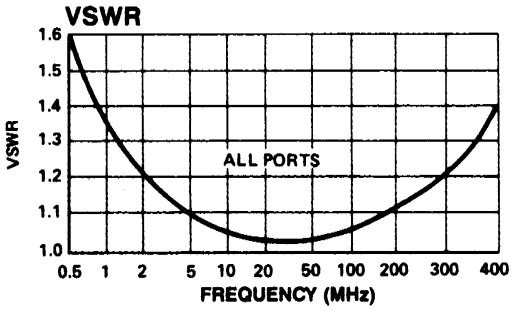



## Typical Performance






North America: Tel. (800) 366-2266 Fax (800) 618-8883 ■ Asia/Pacific: Tel. +81 (03) 3226-1671 Fax +81 (03) 3226-1451 ■ Europe: Tel. +44 (1344) 869 595 Fax +44 (1344) 300 020