

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)

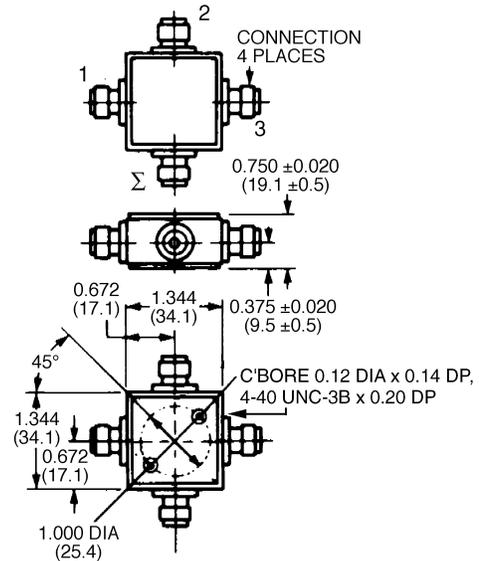
Frequency Range	1-300 MHz	
Insertion Loss	2-200 MHz	0.75 dB Max
(Less coupling)	1-300 MHz	1.0 dB Max
Isolation	2-200 MHz	30 dB Min
	1-300 MHz	20 dB Min
Amplitude Balance	0.25 dB Max	
Phase Balance	2-200 MHz	3° Max
	1-300 MHz	4° Max
VSWR (All Ports)	2-200 MHz	1.3:1 Max
	1-300 MHz	1.5:1 Max

*All specifications apply with 50 ohm source and load impedance
Pin configuration in P3, outputs P6, P8, P10.

Ordering Information

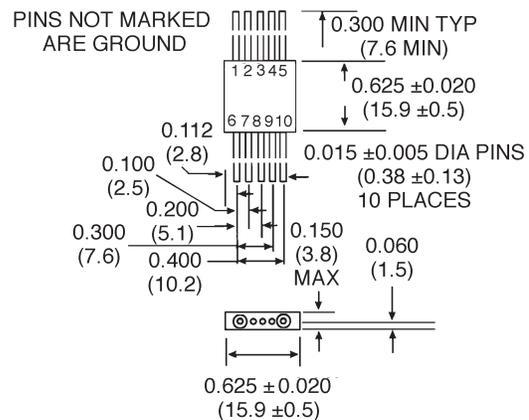
Part Number	Package
DS-117 PIN	FP-3 Flatpack
DS-308 BNC	C-8 Connectorized
DS-308 N	C-8 Connectorized
DS-308 SMA	C-8 Connectorized
DS-308 TNC	C-8 Connectorized

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

Pin Configuration DS-117

Pin	Description
3	Input
6	Output
8	Output
10	Output

Case and all other pins are ground.

Typical Performance

