

Three-Way Power Dividers 1 - 300 MHz

DS-117/308

Features

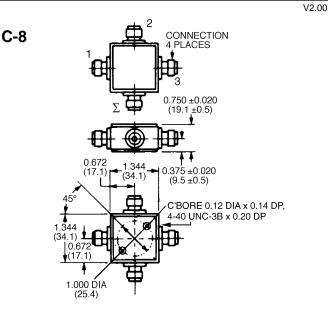
- Low Loss: 0.5 dB Typ.
- Impedance: 50 Ohms Nom.
- Power Rating: 1.0 W Max.
- Internal Load Dissipation: 0.05 W Max.
- Flatpack and Connectorized Packages
- MIL-STD-202 Screening Available

Guaranteed Specifications*		(From -55°C to +85°C)
Frequency Range		1-300 MHz
Insertion Loss (Less coupling)	2-200 MHz 1-300 MHz	0.75 dB Max 1.0 dB Max
Isolation	2-200 MHz 1-300 MHz	30 dB Min 20 dB Min
Amplitude Balance		0.25 dB Max
Phase Balance	2-200 MHz 1-300 MHz	3° Max 4° Max
VSWR (All Ports)	2-200 MHz 1-300 MHz	1.3:1 Max 1.5:1 Max

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

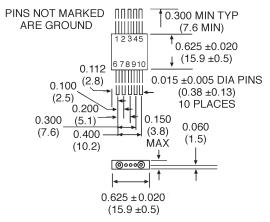
Ordering Information

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



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



M/A-COM Division of AMP Incorporated ■ North America: Tel. (800) 366-2266, Fax (800) 618-8883 ■ Asia/Pacific: Tel. +85 2 2111 8088, Fax +85 2 2111 8087 ■ Europe: Tel. +44 (1344) 869 595, Fax +44 (1344) 300 020

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V2.00

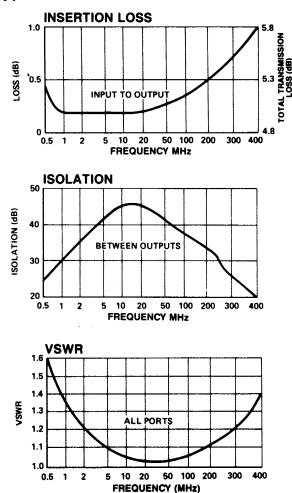
Pin Configuration DS-117

Pin	Description
3	Input
6	Output
8	Output
10	Output

Case and all other pins are ground.

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Typical Performance



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