

Flatpack Two-Way Power Divider

5 - 1000 MHz

DSS/DS-327

V2.00

Features

- Broadband, IN Phase Divider
- Low Loss - 0.3 dB Typical
- Amplitude Balance - 0.05 dB Typical

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

Part Number	DS-317	DSS-307
Frequency Range	5-1000 MHz	5-1000 MHz
Insertion Loss (Less Coupling)		
5-500 MHz	0.5 dB Max	0.5 dB Max
500-1000 MHz	1.0 dB Max	1.0 dB Max
Isolation		
5-500 MHz	25 dB Min	20 dB Min
500-1000 MHz	20 dB Min	16 dB Min
Amplitude Balance		
5-1000 MHz	0.2 dB Max	0.3 dB Max
Phase Balance		
5-500 MHz	2° Max	2° Max
500-1000 MHz	3° Max	3° Max
VSWR(All Ports)		
5-500 MHz	1:3:1 Max	1:4:1 Max
500-1000 MHz	1:5:1 Max	1:6:1 Max

Operating Characteristics

Impedance	50 Ohms Nominal
Maximum Power Rating or Input Power	1 Watt Max
Internal Load Dissipation	0.05 Watt Max

Environmental

MIL-STD-883 screening available.

Pin Configuration

DS-327 Σ ; P1, Output 'C'; P4, Output 'D'; P8 Case and all other pins ground.

DSS-327 Σ ; P1, Output 'C'; P2, Output 'D'; P3 and case ground.

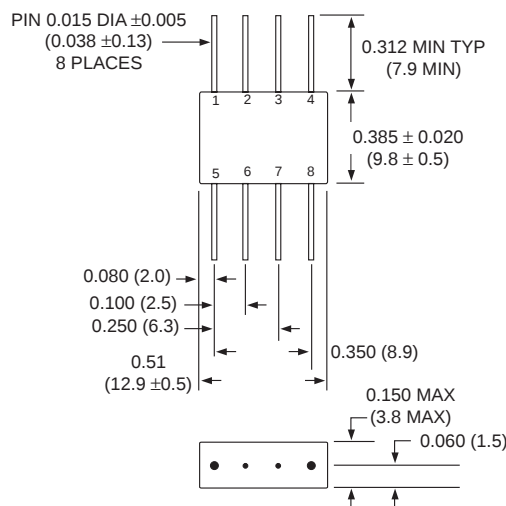
*All specifications apply with 50 ohm source and load impedance.

Ordering Information

Part Number	Package
DS-327 PIN	Flatpack
DSS-327	Surface Mount

See DSS-313 for Outline Drawing

FP-2



Dimensions in () are in mm.
Unless Otherwise Noted: .xxx = ± 0.010 (.xx = ± 0.25)
.xx = ± 0.02 (.x = ± 0.5)
WEIGHT (APPROX.): 0.09 OUNCES 2.5 GRAMS

Typical Performance

