

Eight-Way Power Divider

2 - 500 MHz

DS-309

V2.00

Features

- Low Loss – Typically 1 dB
- High Isolation – Typically 30 dB
- Low VSWR – Typically 1.3:1

Guaranteed Specifications*

(From -55°C to +85°C)

Frequency Range	2-500 MHz	
Insertion Loss (Less coupling)	1.2 dB Max	
Isolation	2-100 MHz	30 dB Min
	100-500 MHz	25 dB Min
Amplitude Balance	2-100 MHz	0.15 dB Max
	100-500 MHz	0.25 dB Max
Phase Balance	2-100 MHz	2.0° Max
	100-500 MHz	3.5° Max
VSWR (All Ports)	2-5 MHz	1.6:1 Max
	5-500 MHz	1.35:1 Max

Operating Characteristics

Impedance	50 Ohms Nominal
Maximum Power Rating or Input Power	2.0 Watts Max
Internal Load Dissipation	0.25 Watt Max

Environmental

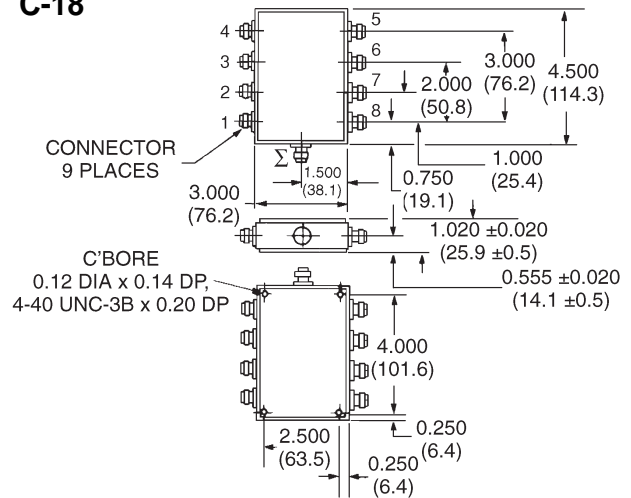
MIL-STD-202 screening available.

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

Ordering Information

Part Number	Package
DS-309 BNC	Connectorized
DS-309 SMA	Connectorized
DS-309 TNC	Connectorized
DS-309 N	Connectorized

C-18



Dimensions in () are in mm.
Unless Otherwise Noted: .xxx = ±0.015 (.x = ±0.4)
Weight (Approx): 9 Ounces 255 Grams

Typical Performance

