

# 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)

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

### Operating Characteristics

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

#### Environmental

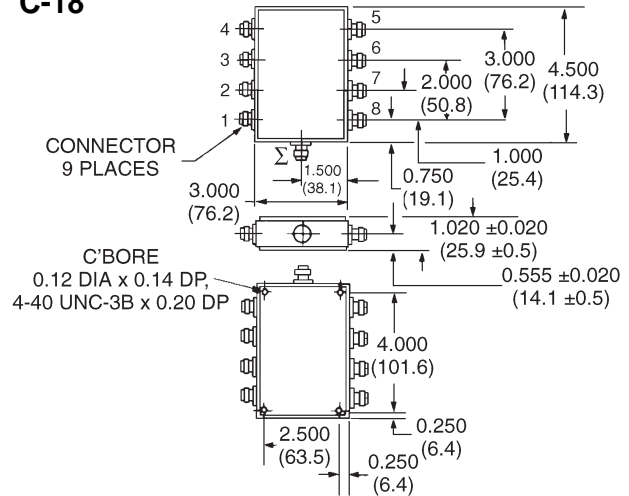
MIL-STD-202 screening available.

\*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

