

# Broadband Eight-Way Power Divider

## 20 - 2000 MHz

DS-808-4

V2.00

### Features

- Two-Decade Frequency Range
- High Isolation – 20 dB Min
- Typical Midband VSWR 1.2:1

### Guaranteed Specifications\*

(From – 55°C to + 85°C)

<b>Frequency Range</b>	20-2000 MHz	
<b>Insertion Loss (Less coupling)</b>	20-600 MHz	1.0 dB Max
	600-1000 MHz	1.4 dB Max
	1000-2000 MHz	3.0 dB Max
<b>Isolation</b>	20 dB Min	
<b>Amplitude Balance</b>	20-600 MHz	0.6 dB Max
	600-1000 MHz	0.6 dB Max
	1000-2000 MHz	1.2 dB Max
<b>Phase Balance</b>	20-600 MHz	5° Max
	600-1000 MHz	5° Max
	1000-2000 MHz	15° Max
<b>VSWR (All Ports)</b>	20-60 MHz	1.7:1 Max
	60-600 MHz	1.4:1 Max
	600-1000 MHz	2.0:1 Max
	1000-2000 MHz	2.0:1 Max

### Operating Characteristics

<b>Impedance</b>	50 Ohms Nominal
<b>Maximum Power Rating or Input Power</b>	5.0 Watts Max
<b>Internal Load Dissipation</b>	0.5 Watt Max

#### Environmental

MIL-STD-883 screening available.

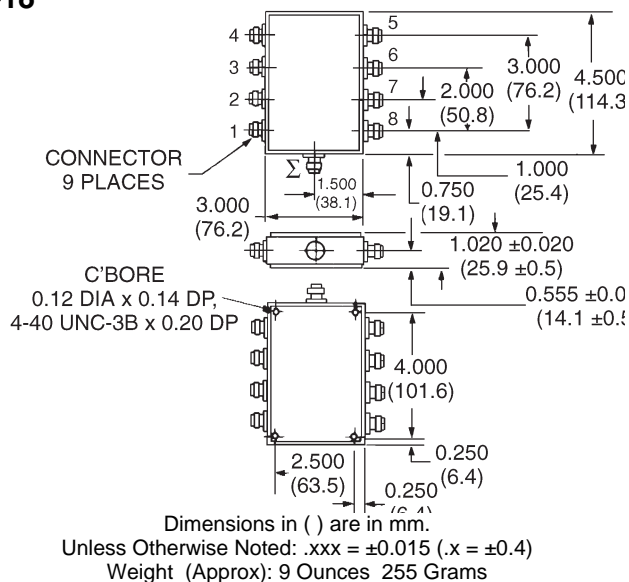
\*All specifications apply with 50 ohm source and load impedance.  
This product contains elements protected by United States Patent Number 3,325,587.

### Ordering Information

**Model No.**  
DS-808-4 BNC  
DS-808-4 SMA  
DS-808-4 TNC  
DS-808-4 N

**Package**  
Connectorized  
Connectorized  
Connectorized  
Connectorized

### C-18



Typical Performance

