

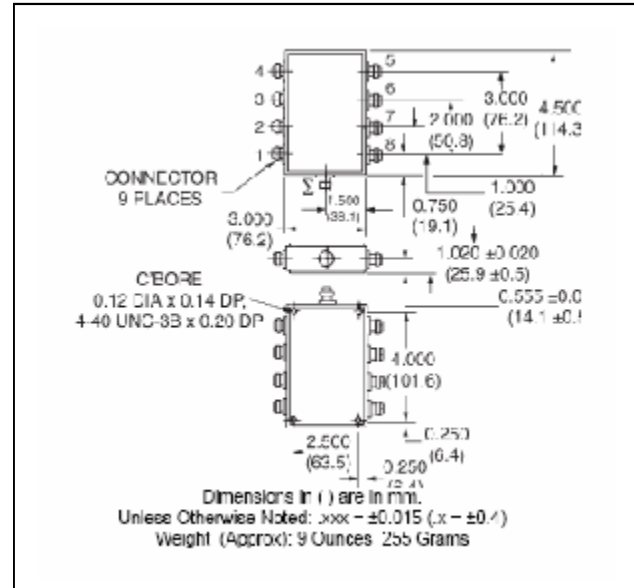
**Broadband Eight -Way Power Divider,
20 - 2000 MHz**

**DS-808-4
V2**

Features

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

C-18



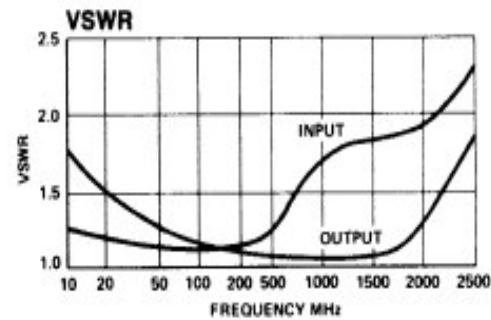
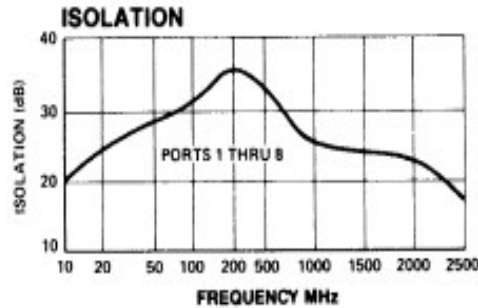
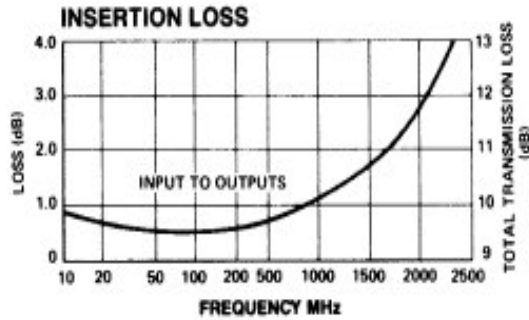
Guaranteed Specifications: From -55°C to +85°C

| Frequency Range | | 20-2000 MHz |
|--------------------------------|---------------|-------------|
| Insertion Loss (less coupling) | 20-600 MHz | 1.0 dB Max |
| | 600-1000 MHz | 1.4 dB Max |
| | 1000-2000 MHz | 3.0 dB Max |
| Isolation | | 20 dB Min |
| Amplitude Balance | 20-600 MHz | 0.6 dB Max |
| | 600-1000 MHz | 0.6 dB Max |
| | 1000-2000 MHz | 1.2 dB Max |
| Phase Balance | 20-600 MHz | 5° Max |
| | 600-1000 MHz | 5° Max |
| | 1000-2000 MHz | 15° Max |
| VSWR (All Ports) | 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 |

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Typical Performance Curves



Ordering Information

| Part Number | Package |
|--------------|---------------|
| DS-808-4 BNC | Connectorized |
| DS-808-4 SMA | Connectorized |
| DS-808-4 TNC | Connectorized |
| DS-808-4 N | Connectorized |

Operating Characteristics

| Parameter | Absolute Maximum |
|---|------------------|
| Impedance | 50 Ohms Nominal |
| Maximum Power Rating or Input Power | 5.0 Watt Max |
| Internal Load Dissipation | 0.5 Watt Max |
| Environmental MIL-STD-202 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.