

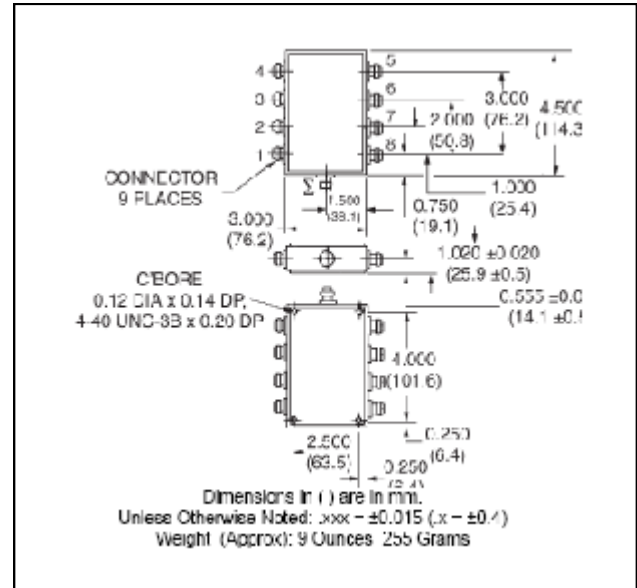
## Broadband Eight -Way Power Divider, 20 - 2000 MHz

Rev. V2

### Features

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

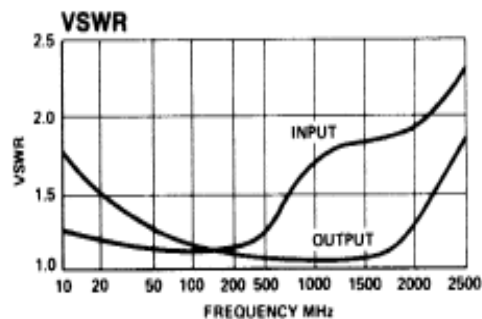
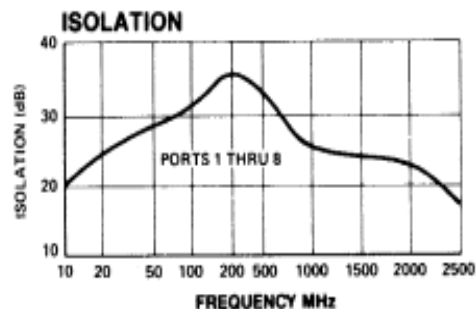
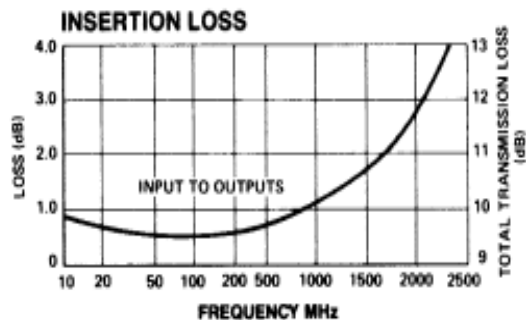
### C-18



### 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   |

### 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.