

# 180° Two-Way Power Divider 5 - 1000 MHz

**H-81-4**

V2.00

## Features

- Broadband Frequency Range
- Low Loss – Less Than 1.3 dB Max
- VSWR – 1.4:1 Max

## Guaranteed Specifications\*

(From -55°C to +85°C)

|                                       |              |            |
|---------------------------------------|--------------|------------|
| <b>Frequency Range</b>                | 5-1000 MHz   |            |
| <b>Insertion Loss (Less coupling)</b> | 5-100 MHz    | 0.7 dB Max |
|                                       | 100-1000 MHz | 1.4 dB Max |
| <b>Isolation</b>                      | 5-100 MHz    | 20 dB Min  |
|                                       | 100-1000 MHz | 25 dB Min  |
| <b>Amplitude Balance</b>              | 5-100 MHz    | 0.2 dB Max |
|                                       | 100-1000 MHz | 0.5 dB Max |
| <b>Phase Balance</b>                  | 5-100 MHz    | 5° Max     |
|                                       | 100-1000 MHz | 2.5° Max   |
| <b>VSWR (All Ports)</b>               | 1.4:1 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>           | 0.5 Watt Max    |
| <b>Environmental</b>                       |                 |

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

## Ordering Information

| Part No.   | Package       |
|------------|---------------|
| H-81-4 N   | Connectorized |
| H-81-4 SMA | Connectorized |
| H-81-4 TNC | Connectorized |
| H-81-4 BNC | Connectorized |

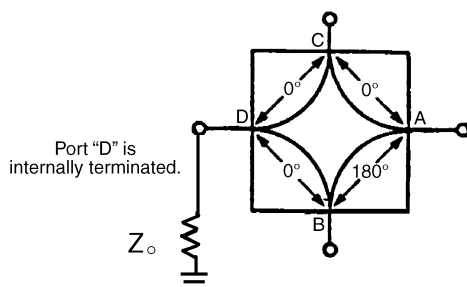
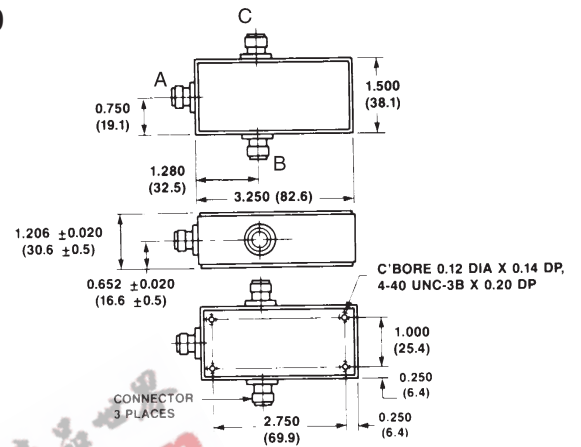


Figure 1. 2-way, In-Phase (180°) Power Divider/Summer, or ISO-T

## C-19



Dimensions in ( ) are in mm.  
Unless Otherwise Noted: .xxx = ±0.015 (.xx = ±0.4)  
WEIGHT (APPROX.): 5.47 OUNCES 155 GRAMS

## Typical Performance

