

11 dB Directional Coupler

30 - 1000 MHz

DCG-10-4

V2.00

Features

- Wide Frequency Range
- Constant Coupling - Within ± 0.5 dB

C-7

Guaranteed Specifications* (From -55°C to +85°C)

| | |
|---|-------------------|
| Frequency Range | 30-1000 MHz |
| Coupling (Input to Output) | 11.0 \pm 0.5 dB |
| Coupling Flatness | \pm 0.5 dB Max |
| VSWR (All Ports) | 1.35:1 Max |
| Directivity (Both Directions) | 20 dB Min |
| Main Line Loss (Including Theoretical 0.46 dB Power Split) | 1.5 dB Max |

Operating Characteristics

Input Power 5.0 Watts Max

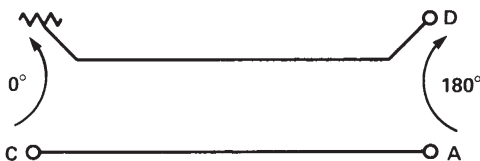
Environmental

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 3,426,298.

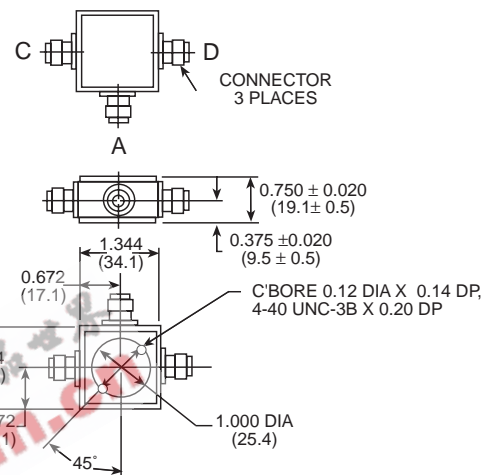
** Includes theoretical power split.

Functional Diagram



Ordering Information

| Part Number | Package |
|--------------|---------------|
| DCG-10-4 BNC | Connectorized |
| DCG-10-4 SMA | Connectorized |
| DCG-10-4 N | Connectorized |
| DCG-10-4 TNC | Connectorized |



Dimensions in () are in mm.
 Unless Otherwise Noted: .xxx = ± 0.015 (.x = ± 0.4)
 WEIGHT (APPROX): 2.5 OUNCES 71 GRAMS

Typical Performance

