

30 dB Bi-directional Coupler, 500 Watt 2 - 32 MHz

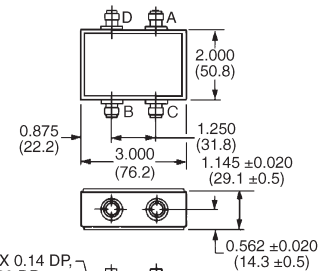
CH-130-4

V2.00

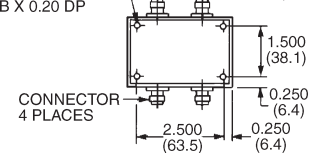
Features

- High Power Handling Capability – 500 Watts
- Very Low Insertion Loss – 0.1 dB Max
- Low VSWR – 1.1:1 Max

C-12



C'BORE 0.12 DIA X 0.14 DP,
4-40 UNC-3B X 0.20 DP



Dimensions in () are in mm.

Unless Otherwise Noted: .xxx = ±0.015

(.x = ±0.4)

WEIGHT (APPROX): 10 OUNCES 283 GRAMS

Guaranteed Specifications*

(-55°C to +85°C)

| | |
|--------------------------------------|---------------|
| Frequency Range | 2-32 MHz |
| Coupling (Input to Output) | 30 ± 0.5 dB |
| Coupling Flatness | ± 0.25 dB Max |
| VSWR (All Ports) | 1.1:1 Max |
| Directivity (Both Directions) | 25 dB Min |
| Main Line Loss | 0.1 dB Max |

Operating Characteristics

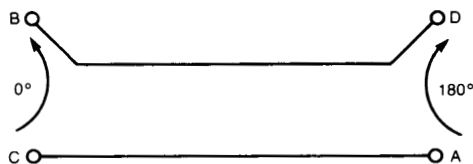
Input Power 500 Watts Max

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.

Functional Diagram



Ordering Information

| Part Number | Package |
|--------------|---------------|
| CD-130-4 N | Connectorized |
| CD-130-4 TNC | Connectorized |
| CD-130-4 BNC | Connectorized |
| CD-130-4 SMA | Connectorized |

Typical Performance

