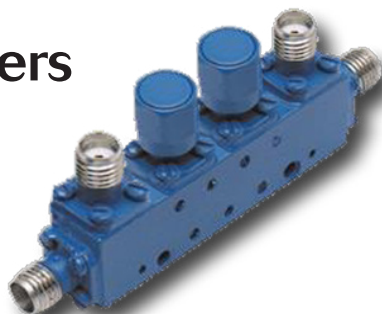


CLD-1530-X

Dual Directional Couplers



Specifications:

| Parameter | Specification | Units |
|--|---------------|-------------|
| Frequency Range (Min) | 1.5 – 3.0 | GHz |
| Directivity (Min) | 20 | dB |
| Prim / Sec VSWR (Max) | 1.20 | Ratio |
| Insertion Loss Above Coupling Loss (Max) | 0.40 | dB |
| "L" | 2.8 (71.1) | Inches (mm) |
| "H" | 0.5 (12.7) | Inches (mm) |

Notes:

1. Rugged 4 hole connector construction insures superiority.
2. For all 30 dB couplers "B" dimension is 0.55 inches.
3. 50 Ohm termination is supplied on each unit delivered. Power rating is 1 Watt at 25°C.
4. Coupling includes frequency flatness & coupling measurement in reference to the input port. Coupling is standard on these units.

Environmental Specifications:

Designed to meet:

MIL-E-5400, MIL-STD-202, MIL-E-16400

Operating Temp: -55°C to +125°C

Storage Temp: -65°C to +150°C

Humidity: MIL-STD-202F, M103, Cond B

Shock: MIL-STD-202F, M213, Cond B

Altitude: MIL-STD-202F, M105, Cond B

Vibration: MIL-STD-202F, M204, Cond B

Thermal Shock: MIL-STD-202F, M107, Cond A

Temperature Cycle: MIL-STD-202F, M105C, Cond D

Screening:

Internal Visual per MIL-STD-883, Method 2017
Temperature Cycle: -65 °C to +100 °C, 10 cycles

Hermetically-sealed switches are fine and gross leak checked per MIL-STD-883, Method 1014.

Optional High-Rel screening available upon request. Contact the factory to discuss your screening requirements.

Mechanical Specifications:

Case Style: CLD Outline

Connectors: SMA Female per MIL-C-39012

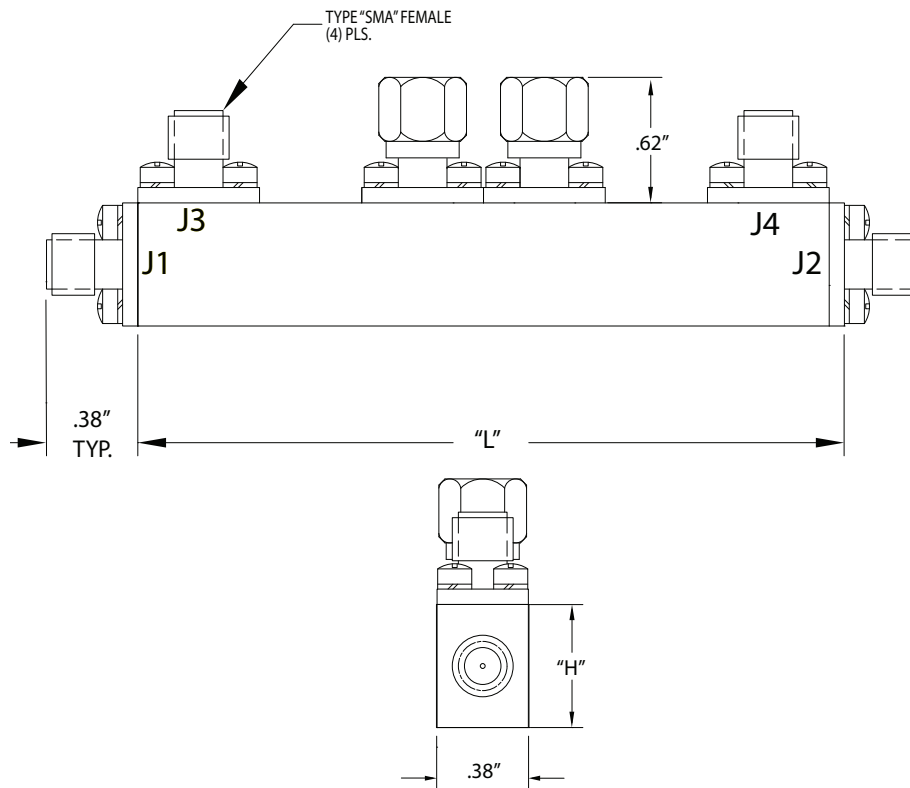
Connector Control: Micro-D 21 Pin

Bias & Control Pins: \varnothing 0.02" x 0.15" long

Weight: 19g max

Mounting: \varnothing 0.10" through holes
(4) places

Outline Drawing:



OUTLINE CASE STYLE CLD

Part Number Ordering Information:

- Example: CLD-1530-X
 CLD-1530-X: X in the part number represents coupling value
 6: 6 dB +/- 1.0dB
 1: 10 dB +/-1.2 dB
 2: 20 dB +/- 1.2dB
 3: 30 dB +/-1.2 dB

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