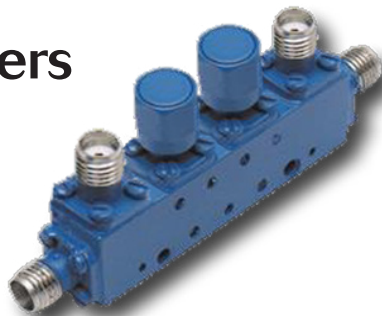


CLD-510-X

Dual Directional Couplers



Specifications:

Parameter	Specification	Units
Frequency Range (Min)	0.5 – 1.0	GHz
Directivity (Min)	25	dB
Prim / Sec VSWR (Max)	1.15	Ratio
Insertion Loss Above Coupling Loss (Max)	0.40	dB
"L"	7.0 (177.8)	Inches (mm)
"H"	0.5 (12.7)	Inches (mm)

Notes:

1. Rugged 4 hole connector construction insures superiority.
2. For all 30dB couplers "B" dimension is .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

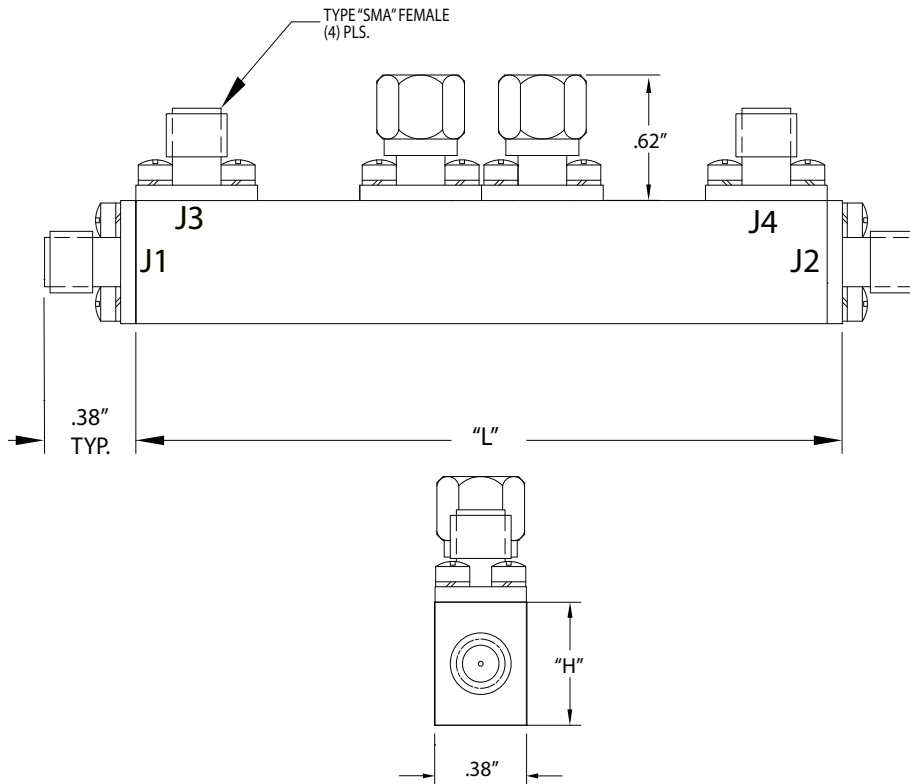
Connectors: SMA Female per MIL-C-39012

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 CASE STYLE CLD

Part Number Ordering Information:

- Example: CLD-510-X
 CLD-510-X: X in the part number represents coupling value
 6: 6dB+/-1.0dB
 1: 10dB+/-1.2dB
 2: 20dB+/-1.2dB
 3: 30dB+/-1.2dB

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