

PMI MODEL No: PDDC-10M1-40-SK

10 MHz to 1.0 GHz, 40dB, 50 Watt Dual Directional Coupler

KEY FEATURES:

100 : 1 BANDWIDTH

40dB COUPLING

15dB DIRECTIVITY

ELECTRICAL SPECIFICATIONS:

FREQUENCY RANGE : 10 MHz to 1.0 GHz

INSERTION LOSS : 0.25dB Typical, 0.3dB Max.

• DIRECTIVITY : 15dB MIN.

• RETURN LOSS : ≥20dB (1.2:1)

• COUPLING : 40dB (Nominal)

• FLATNESS : ±0.75 dB

• RF INPUT (FORWARD POWER) : 50 WATTS INTO 50 Ohm Load

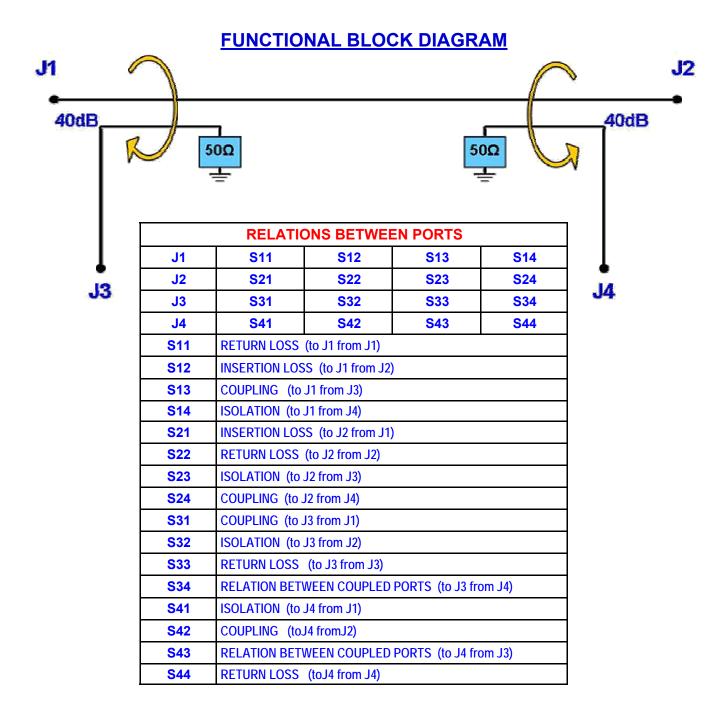
RF INPUT (REFLECTED POWER) : 20 WATTS Max.

• SIZE : 3.0" X 2.5" X 1.0"



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PLANAR MONOLITHICS INDUSTRIES, INC., 7311-G Grove Road, Frederick, MD 21704
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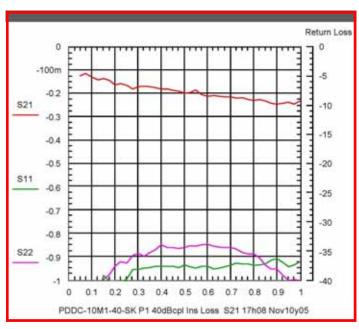
ISO9001 : 2000 CERTIFIED

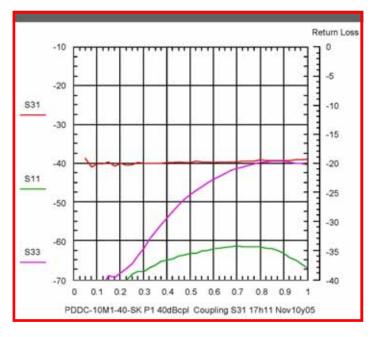


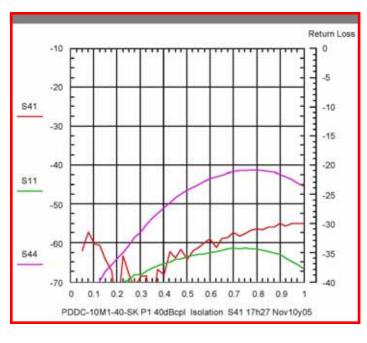
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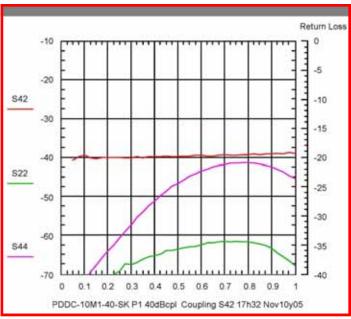
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INSERTION LOSS, RETURN LOSS, ISOLATION & COUPLING









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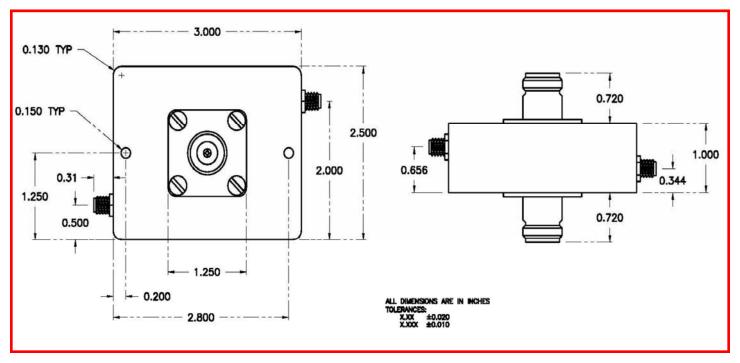
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MECHANICAL OUTLINE



ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE	-55°C TO +85°C
STORAGE TEMPERATURE	-65°C TO +125°C
• HUMIDITY	MIL-STD-202F, METHOD 103B, COND. B
• SHOCK	MIL-STD-202F, METHOD 213B, COND. B
VIBRATION	MIL-STD-202F, METHOD 204B, COND. B
ALTITUDE	MIL-STD-202F, METHOD 105C, COND. B
TEMPERATURE CYCLE	MIL-STD-202F, METHOD 107D, COND. A

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