DESCRIPTION

PMI MODEL: PEC-30-0R5G50G-22-12-24FF IS A 0.5 GHz TO 50 GHz LOW NOISE AMPLIFIER THAT HAS A TYPICAL GAIN OF 30 dB WHILE MAINTAINING A ±2.5 dB FLATNESS. THIS SMALL 1.37" x 1.00" x 0.60" PACKAGE IS OUTFITTED WITH 2.4 mm FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 GHz TO 50.0 GHz
- GAIN: 30 dB TYP.
- GAIN FLATNESS: ±2.5 dB GOAL, ±3.0 dB MAX
- NOISE FIGURE: 9 dB MAX
- OP1dB: SEE TYP OUTPUT POWER GRAPH
- PSAT: SEE TYP OUTPUT POWER GRAPH
- VSWR (IN/OUT): 2.3:1 GOAL, 2.5:1 MAX
- DC SUPPLY: +12 TO +15 VDC @ 600 mA TYP
- SIZE: 1.37" (L) x 1.00" (W) x 0.60" (H)
- CONNECTORS: 2.4 mm FEMALE

MECHANICAL OUTLINE

THRU HOLE DIA. 0.090 4 PLACES

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
  -65 °C TO +117 °C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE.
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION.