

LOW NOISE AMPLIFIER DESIGNED FOR MILITARY AND INDUSTRIAL APPLICATIONS. THIS AMPLIFIER IS SUPPLIED IN OUR STANDARD PE2 HOUSING THAT CAN BE USED AS AN SMA CONNECTORIZED OR A SURFACE MOUNT COMPONENT. OTHER PACKAGES AND CONNECTOR TYPES ARE AVAILABLE. THIS MODEL PROVIDES THE FOLLOWING PERFORMANCE. DATA IS AVAILABLE UPON REQUEST.

- FREQUENCY RANGE: _____ 19.0 to 20.0 GHz
- GAIN: _____ 30 dB TYPICAL
- GAIN FLATNESS: _____ ± 0.75 dB MAXIMUM
- NOISE FIGURE: _____ 2.5 dB TYPICAL
- OP1dB: _____ 8 dBm MINIMUM
- VSWR (IN/OUT): _____ 2.0:1 MAXIMUM
- DC VOLTAGE SUPPLY: _____ +12 TO +15 VDC
- DC CURRENT DRAW: _____ 120 mA MAXIMUM

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY
- STANDARD OPERATING TEMPERATURE
-20 TO +70 DEG. C

- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- TEMPERATURE COMPENSATION
- HERMETIC SEALING
- GAIN AND PHASE MATCHING
- MIL-STD-883 SCREENING AVAILABLE

• **TEMPERATURE:** ————— -20°C TO + 70°C (OPERATING); -55 TO +85 DEG C AVAILABLE
-55°C TO +125°C (STORAGE)

• **HUMIDITY:** ————— MIL-STD-202F, METHOD 103B COND. B

• **SHOCK:** ————— MIL-STD-202F, METHOD 213B COND. B

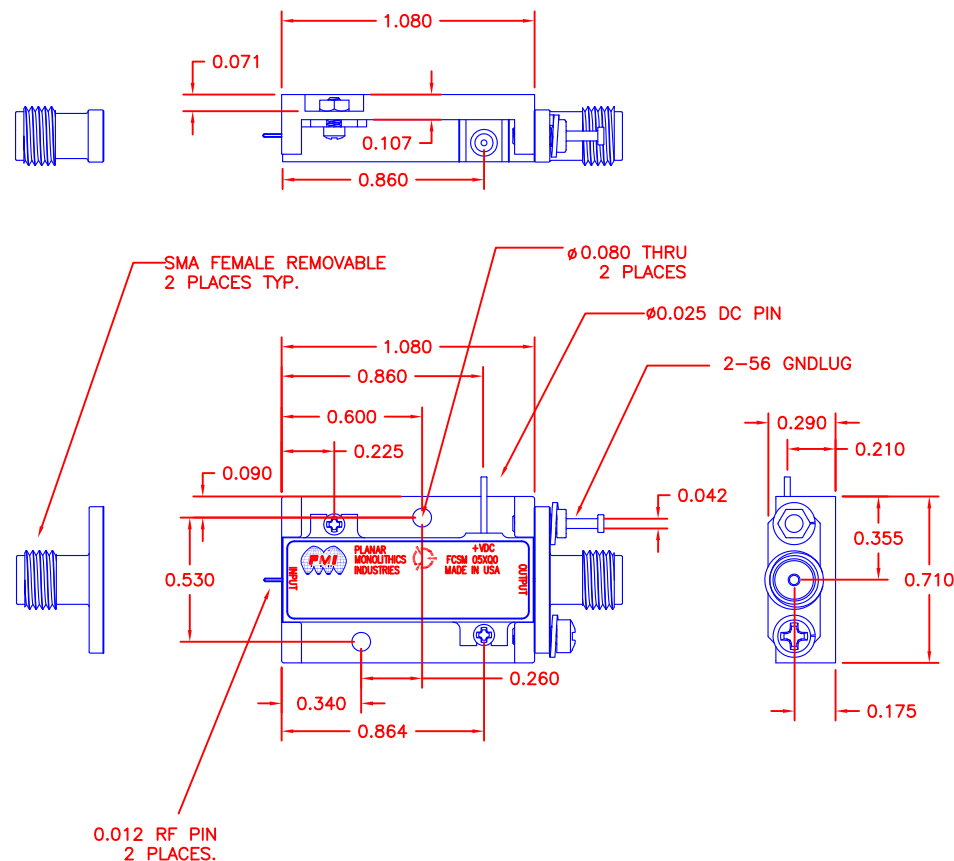
• **ALTITUDE:** ————— MIL-STD-202F, METHOD 105C COND. B

• **TEMPERATURE CYCLE:** ————— MIL-STD-202F, METHOD 107D COND. A

ALL DIMENSIONS ARE IN INCHES

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TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

MECHANICAL OUTLINE



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		TITLE		PRODUCT FEATURE PE2-30-19G20G-2R5-10-12-SFF	
APPROVALS	DATE				
DRAWN <i>KM</i>	02/01/2008				
CHECKED		SIZE B	FSCM NO. 1LK53	DWG NO. WEB - MODEL	REV A
ISSUED		SCALE N:S		SHEET 1 OF 1	