

LOW NOISE AMPLIFIER 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:_____ 20.0 TO 40.0 GHz
- GAIN:_____ 14dB TYP
- GAIN FLATNESS:_____ ± 1.0 dB MAX
- NOISE FIGURE:_____ 5.0dB MAX @ 20 GHz
6.5dB MAX @ 26.5 GHz
8.5dB MAX @ 34 GHz
10dB MAX @ 40 GHz
- OP1dB:_____ +20dBm MIN @ 20 GHz
+16dBm MIN @ 40 GHz
- VSWR (IN/OUT):_____ 2.0:1/2.8:1 MAX
- CONNECTORS:_____ 2.92mm (F) REMOVABLE
- DC SUPPLY:_____ +12 TO +15VDC @ 250mA MAX
- SIZE_____ (L) 1.08" X (W) 0.71" X (H) 0.29"

● FINISH ————— GOLD PLATED

- INTERNAL VOLTAGE REGULATION
- UNCONDITIONAL STABILITY

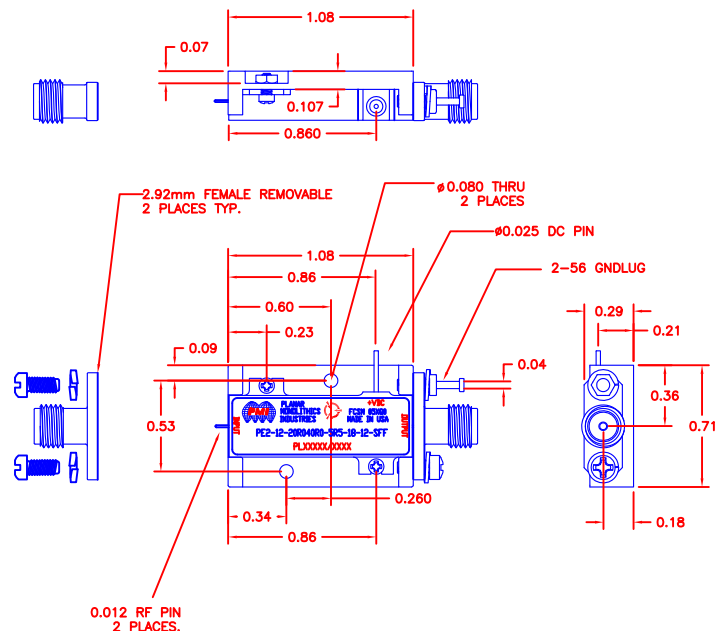
- VARIOUS PACKAGE TYPES
- VARIOUS CONNECTOR TYPES
- TEMPERATURE COMPENSATION
- GAIN AND PHASE MATCHING
- MIL-STD-883 SCREENING AVAILABLE

- **TEMPERATURE:** _____ -20°C TO + 70°C (OPERATING)
 _____ -65°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

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.02
X.XXX ±0.010

PE2 HOUSING WITH CARRIER



The technical drawing shows two views of the PFC-12-2000A900-SRS-10-12-SFF power supply unit. The top view includes dimensions: 0.04, 1.08, 0.36, 0.64, 0.22, and 0.47. The side view includes dimensions: 0.15, 0.03, 0.10, 0.3, 0.18, and 0.11. The unit features a blue label with white text: "PFC-12-2000A900-SRS-10-12-SFF", "PLUXXXXX/XXXX", "FLAME REGULATED FOR SRS SYSTEMS", "PFC-12-2000A900-SRS-10-12-SFF", and "PLUXXXXX/XXXX". There are also red markings: "PFC-12-2000A900-SRS-10-12-SFF" and "PLUXXXXX/XXXX".

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS DATE		TITLE PRODUCT FEATURE PE2-12-20R040R0-5R5-18-12-SFF			
		SIZE FSCM NO. DWG NO. REV			
		SCALE N:S SHEET 1 OF 1			
DRAWN DPD	3/9/10	A	05XQ0	27007182	A
CHECKED SPK	12/14/10				
ISSUED					