

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/28/09	

Description:

Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housings in a cascade layout that can be used as a 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.

Specifications:

Frequency Range: 1.0 to 18.0 GHz
Gain: 60dB Typ.
Gain Flatness: +/-1.5dB Max.
Noise Figure: 4.5dB Typ.
OP1dB: 13dBm Min.
VSWR Input/Output: 2.0:1 Max.
DC Voltage Supply: +12 to +15VDC
DC Current Draw: 280mA Max.

Features:

Internal Voltage Regulation
Unconditional Stability
Standard Operating Temperature -20 to +70 Deg. C

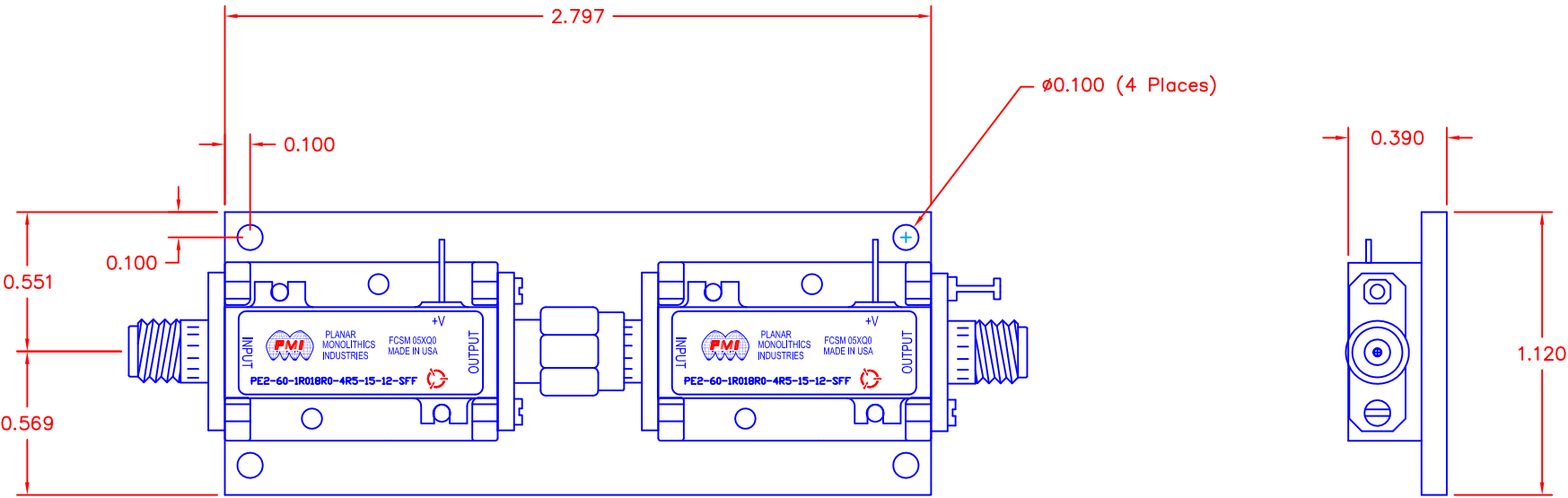
Available Options:

Various Package types
Various Connector types
Temperature Compensation
Hermetic Sealing
Gain and Phase Matching
MIL-STD-883 Screening Available

Environmental Ratings:

Temperature: -20 to +70 Deg. C (Operating) ; -55 to +85 Deg C Available)
-55 to +125 Deg. 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: The above specifications are subject to change or revision.



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.010 ±
.XXX ± 0.005

MATERIAL: 6061-T6 Aluminum	PART NO.		7311-F Grove Road FREDERICK, MARYLAND
	APPROVALS	DATE	
	DRAWN K Mason	9/28/09	
FINISH: Gold Plate over Nickel	CHECKED		TITLE PRODUCT FEATURE PE2-60-1R018R0-4R5-15-12-SFF
	ISSUED		
	DO NOT SCALE DRAWING		
SIZE B		CAGE CODE 05XQ0	DWG NO. PRELIMINARY
SCALE N/A		SHEET 1 OF 1	