

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
A		ORIGINAL RELEASE	12/10/10	

**Description:**

PMI Model No. PM2-0R0118-15-10-SFF is a 2 MHz to 18 GHz low noise amplifier. This amplifier is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component.

This model provides the following performance. Data is available upon request.

**Specifications:**

Frequency Range:	2 MHz to 18 GHz
Gain:	13 to 18 dB
Gain Flatness:	+/- 2.0dB Max.
Noise Figure:	9.0dB Max. (10 to 500 MHz) 7.5dB Max. (500 MHz to 18 GHz)
OP1dB:	+16dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+15VDC
DC Current Draw:	250mA Typ.
Connectors In/Out	SMA Female

**Features:**

- Internal Voltage Regulation
- Unconditional Stability
- Standard Operating Temperature -55 to +85 Deg. C

**Available Options:**

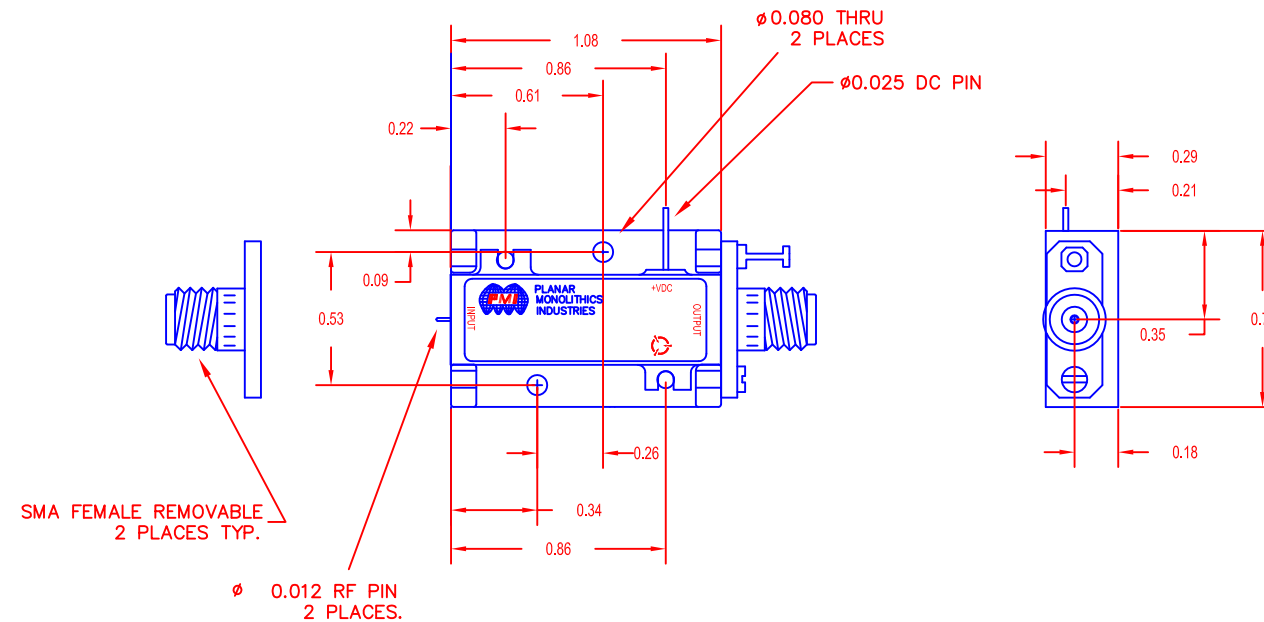
- Various Package types
- Various Connector types
- Temperature Compensation
- Gain and Phase Matching
- MIL-STD-883 Screening Available

**Environmental Ratings:**

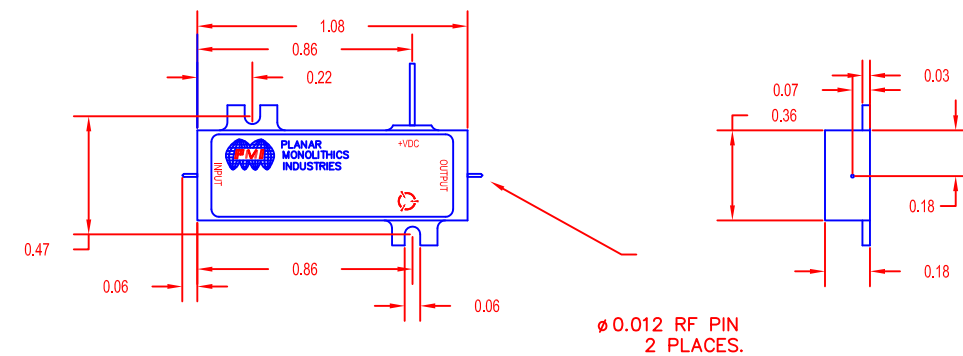
Temperature:	-55 to +85 Deg. C (Operating) -65 to +125 Deg. C (Storage)
Humidity:	MIL-STD-202F, METHOD 103B COND B.
Shock:	MIL-STD-202F, METHOD 213B COND B.
Altitude:	MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:	MIL-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.

**PE2 HOUSING WITH CARRIER**



**PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)**



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	TITLE PE2 Series Amplifier PM2-0R0118-15-10-SFF	
FINISH: GOLD PLATED	DRAWN DPD	3/9/10	SIZE B	CAGE CODE 05XQ0
	Modified SFK	12/10/10	DWG NO. 27001882	REV. A
DO NOT SCALE DRAWING		SCALE N/A		SHEET 1 OF 1