

Description:

PMI Model Number: PEC-28-9D4G15D1G-5R0-24-12-SFF is a 9.4 to 15.1 GHz low noise amplifier. This amplifier is supplied in housing that can be used as a SMA connectorized or a surface mount component.

Specifications:

Frequency Range: 9.4 to 15.1 GHz
Gain: 16 dB Min / 28 dB Max
Noise Figure: 5.5 dB Max
OP1dB: 24 dBm Min @ 8 dBm Input Power
Maximum Input Power: +16 dBm CW
Second Harmonics: -22 dBc Max @ 9.5 & 10.0 GHz Input
Return Loss - Input/Output: 10 dB Min
DC Supply: +12, +/-1.5 VDC @ 350mA Typ, 400mA Max
Connectors In/Out: SMA Female
Finish: Gold Plated

Features:

Internal Voltage Regulation
Unconditional Stability

Data Package:

Test data result room temperature for all the SPECIFICATIONS listed above must be provided with delivery and C of C.

Environmental Ratings:

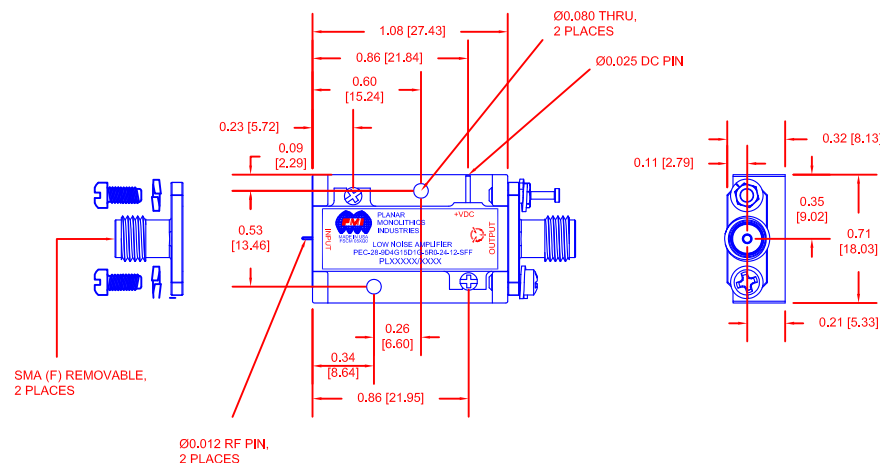
Temperature: 0°C to +55°C (Operating)
-20°C to +55°C (Storage)
Humidity - 95% Max: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

Note: The above specifications are subject to change or revision.
Specifications will vary over operating temperature.

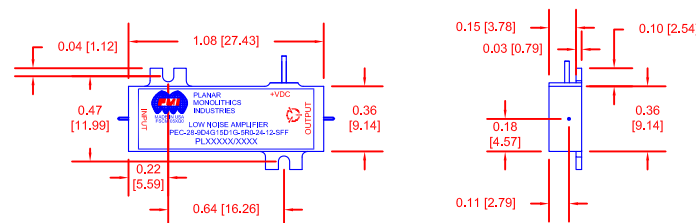
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/21/18	

PEC HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE	
DRAWN		9/21/18		PRODUCT FEATURE	
REDRAWN				PEC-28-9D4G15D1G-5R0-24-12-SFF	
ISSUED				PRELIMINARY	
SCALE		N:S		SHEET 1 OF 1	