

Description:

PMI Model Number: PEC-30-0R2521R0-5R0-22-12-SFF is a 0.25 to 21.0 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: 0.25 to 21.0 GHz
Gain: 26.5 dB Typ
Gain Flatness: ± 1.5 dB Max
Noise Figure: 5.5 dB Max (*)
OP1dB: 22 dBm Min, 24 dBm Typ
VSWR Input/Output: 1.7:1 Max
DC Supply: +12 to +15VDC @ 400mA Typ
Connectors In/Out: SMA Female
Finish: Gold Plated
(*) Noise figure only valid above 1 GHz

Features:

Internal Voltage Regulation
Unconditional Stability

Available Options:

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

Environmental Ratings:

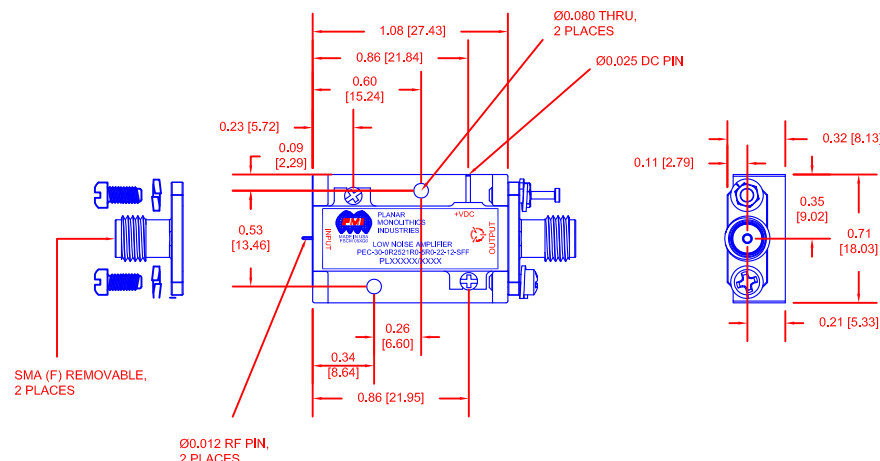
Temperature: -40°C to + 85°C (Operating)
-40°C to +100°C (Storage)
Humidity: MIL-STD-202F, METHOD 103B COND B.
Shock: MIL-STD-202F, METHOD 213B COND B.
Altitude: MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle: MIL-STD-202F, METHOD 107D COND A

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

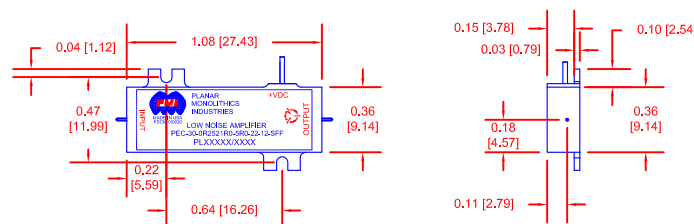
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	5/8/19	

PEC HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE	
DRAWN <i>JPH</i>		11/27/17		PRODUCT FEATURE	
REDRAWN <i>EW</i>		5/8/19		PEC-30-0R2521R0-5R0-22-12-SFF	
ISSUED				PRELIMINARY	
SCALE N:S		FSCM NO. A 05XQ0		DWG NO. SHEET 1 OF 1	