

Description:

Low Noise Amplifier designed for Military and Industrial applications. This amplifier is supplied in our standard PE2 housing can be used as a SMA connectorized or a surface mount component. Other packages and connector types are available.

Specifications:

Frequency Range:1.5 to 15.5 GHz Min.
Gain:14 dB Min.
Gain Flatness: ± 1.75 dB Max.
VSWR Input/Output:2.0:1 Max.
Noise Figure:5.5 dB Max.
OP1dB:20 dBm Min.
DC Voltage Supply:+10 VDC Min.
.....+12 VDC Nominal
.....+15 VDC Max.
DC Current Draw:250 mA Max.
Connectors In/Out:SMA Female
Finish:Gold Plated

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:

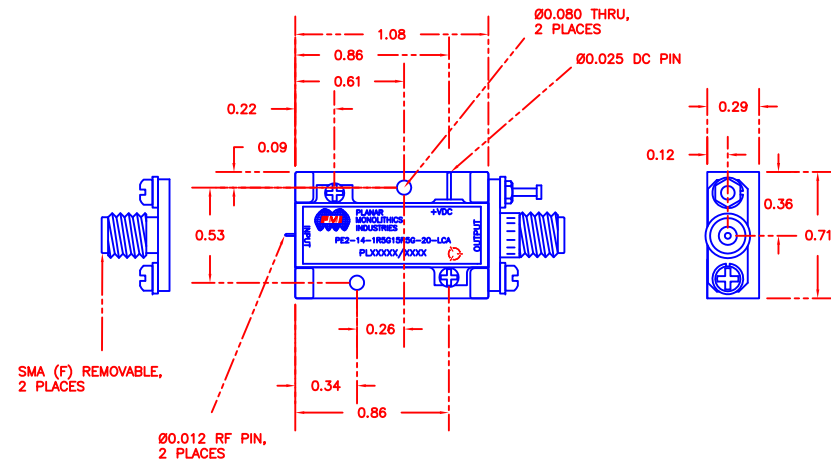
Temperature:-54°C to +95°C (Operating)
.....-65°C to +125°C (Storage)
Humidity:MIL-STD-202F, METHOD 103B COND B.
Shock:MIL-STD-202F, METHOD 213B COND B.
Altitude:MIL-STD-202F, METHOD 105C COND B.
Temperature Cycle:MIL-STD-202F, METHOD 107D COND A

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

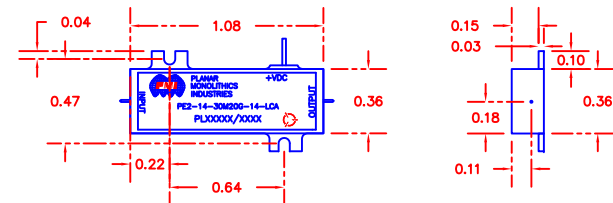
ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ± 0.010
X.XXX ± 0.005

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	10/9/17	

PE2 HOUSING WITH CARRIER



PE2 HOUSING WITHOUT CARRIER (SURFACE MOUNT)



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ISO 9001:2008 CERTIFIED



APPROVALS		DATE		TITLE			REV.	
DRAWN <i>fk</i>		06/20/12		PRODUCT FEATURE			—	
REDRAWN <i>EMF</i>		10/9/17		PE2-14-1R5G15R5G-20-LCA			—	
ISSUED				SIZE	FSCM NO.	OWG NO.	PRELIMINARY	
				A	05XQ0			
				SCALE	N:S		SHEET	1 OF 1