

## Description:

Model Number PEC3-40-2G6G-15LM-SFF-HS is a 1.85 to 6.25 GHz limiting amplifier. This model operates with an input power range of -15 to +17dBm and maintains a limited output of +15dBm minimum. The unit is hermetically sealed.

## Specifications:

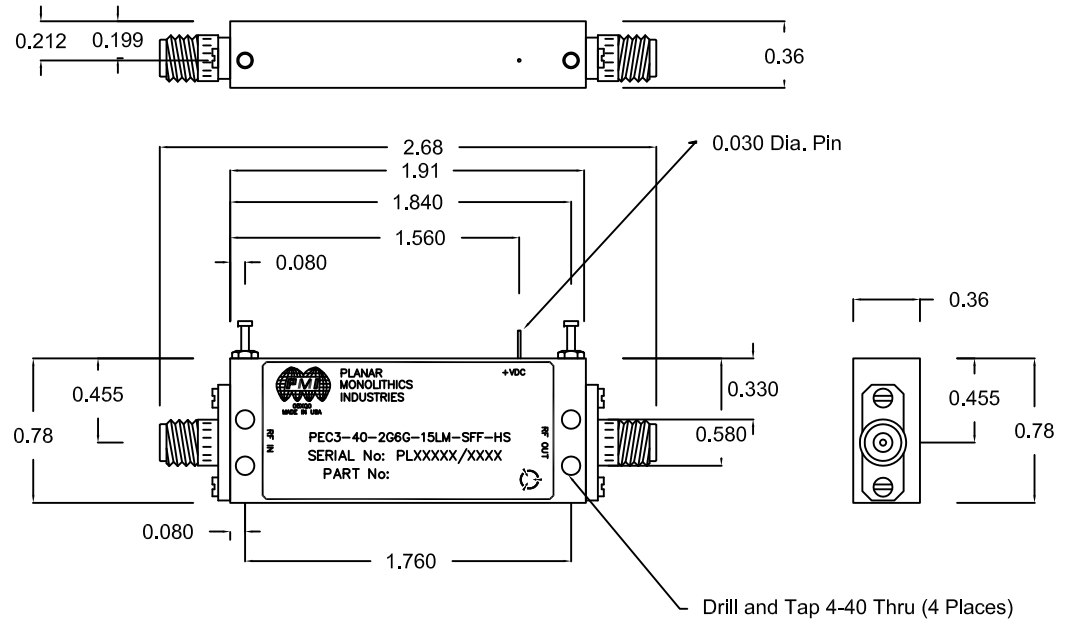
Frequency Range:	1.85 to 6.25 GHz
Noise Figure:	5.5dB Max. @ +25C 6.0dB max. @ +85C
Gain:	35 dB Min.
Gain Variation over Temp:	+/-4.0dB Max. (-55°C to +85°C)
Gain Flatness (at any operating temp):	+/-2.5dB Max. - Full Range +/-2.0dB Max. (over any 500MHz)
VSWR (In/Out):	2.0:1 Max.
Saturated Power Output:	+15dBm Min.
Input Power Range:	-15 to +17dBm
Saturated Power Flatness:	+/-1.5dB Max. (at any operating temp) +/-0.5dB Max. (over any 500MHz)
Saturated Power Variation Over Temp:	+/-1.25dB Max. (at any single frequency)
Harmonic Content:	-15dBc Min.
Reverse Isolation:	50dB Min.
Pulse Response:	
Overshoot:	0.2dB Max.
Settling Time:	10ns Max.
Recovery Time:	50ns Max.
Maximum Input (No Damage):	+20dBm CW Max. +30dBm, .005 Duty Cycle, 1usec
DC Voltage:	+10.8 to +13.2V
DC Current:	350mA Max.
RF Connectors:	SMA - Female
Sealing:	Hermetic
Finish:	Mil-Spec Epoxy Paint - Gray / Mounting surface free of paint (Gold Plated) Mounting Plate Gold Plated

## Environmental Ratings:

Temperature:	-55°C to +85°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.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	08/02/11	
	A2	ECN # 13-0003	09/26/13	
	A3	ECN # 13-0104	8/1/13	



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001:2008 CERTIFIED



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

APPROVALS		DATE	TITLE			
DRAWN <i>KM</i>		08/02/11	PRODUCT FEATURE PEC3-40-2G6G-15LM-SFF-HS			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27015341	A3
ISSUED			SCALE	N:S	SHEET	1 OF 1