

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:

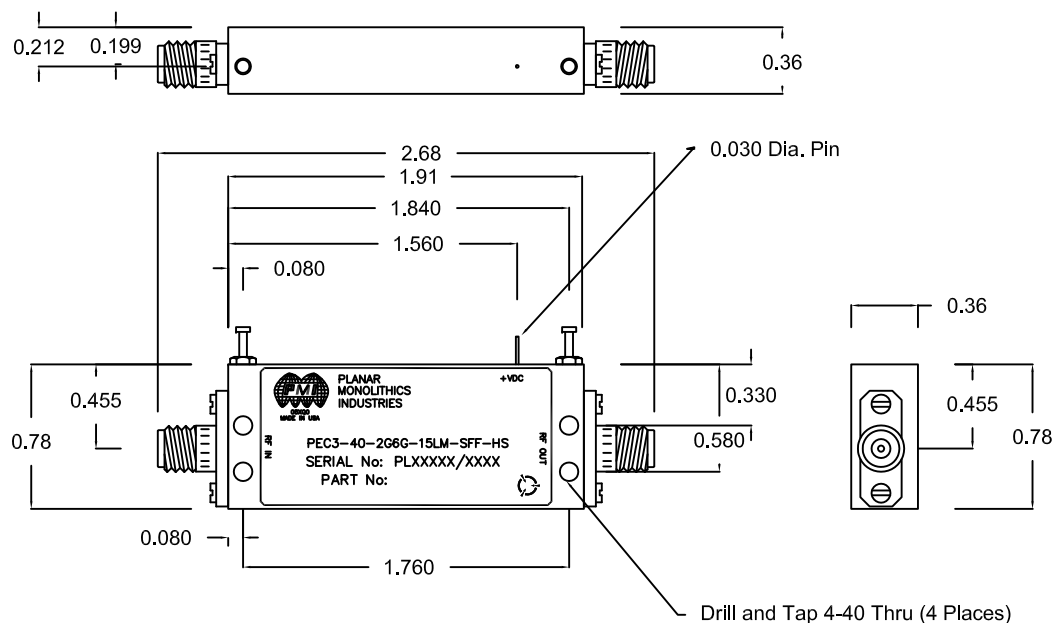
Frequency Range: 1.85 to 6.25 GHz
Noise Figure: 5.5dB Max. @ +25C
..... 6.0dB max. @ +85C
Gain: 35 dB Min.
Gain Variation over Temp: +/-4.0dB Max. (-55°C to +85°C)
Gain Flatness (at any operating temp): +/-2.5dB Max. - Full Range
..... +/-2.0dB Max. (over any 500MHz)
VSWR (In/Out): 2.0:1 Max.
Saturated 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	



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

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