

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.

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
	A	ORIGINAL RELEASE	08/02/11	

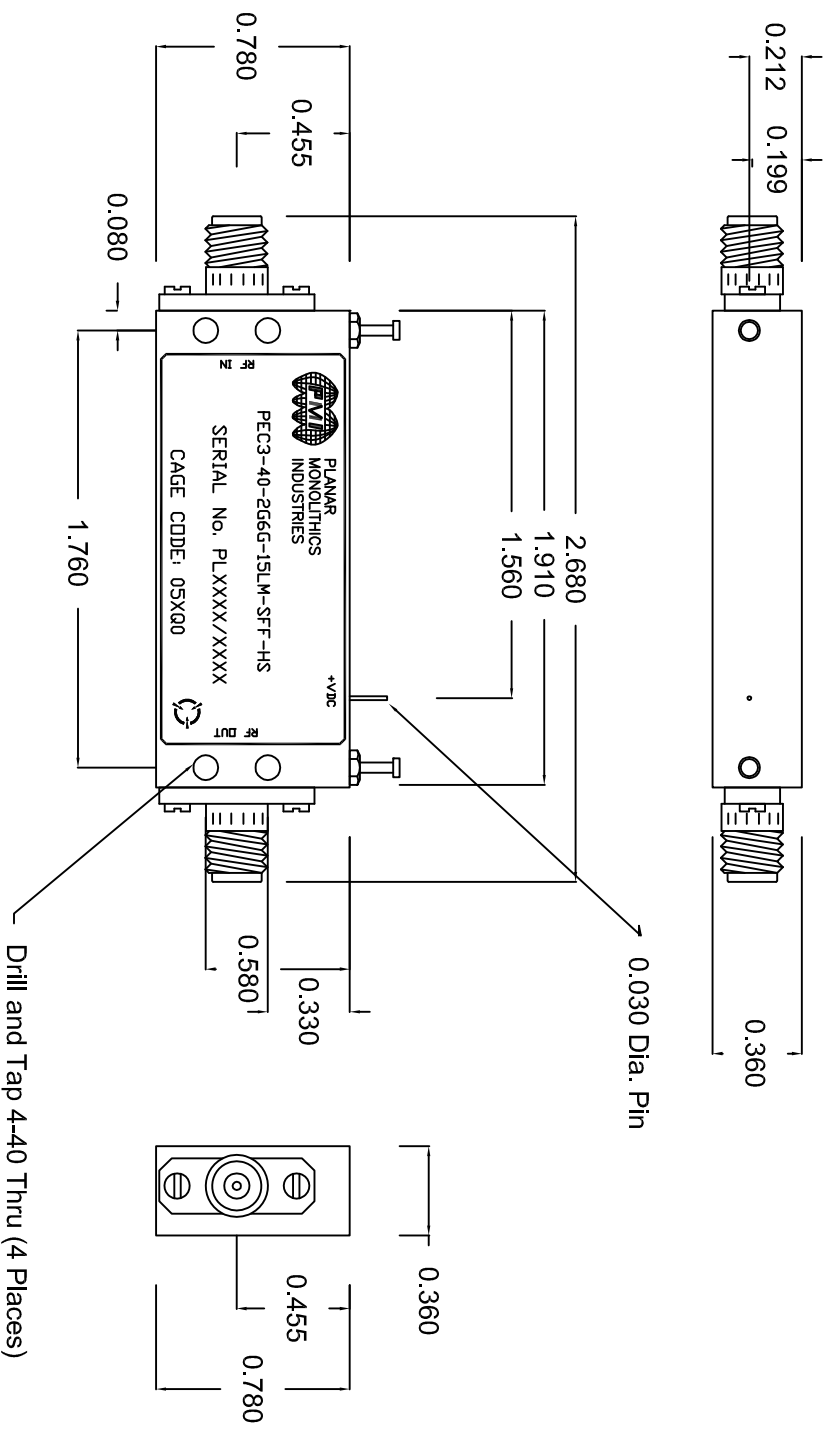
Specifications:

Frequency Range:	1.85 to 6.25 GHz
Noise Figure:	5.5dB Max. @ +25C 6.0dB max. @ +85C 35 dB Min.
Gain:	+/-4.0dB Max. (-55C to +85C)
Gain Variation over Temp:	+/-2.5dB Max. - Full Range
Gain Flatness (at any operating temp):	+/-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:	0.2dB Max. 10nsec Max.
Overshoot:	50nsec Max.
Settling Time:	+20dBm CW Max.
Recovery Time:	+30dBm, .005 Duty Cycle, 1usec
Maximum Input (No Damage):	+10.8 to +13.2V 350mA Max.
DC Voltage:	SMA - Female
DC Current:	Hermetic
RF Connectors:	Mil-Spec Epoxy Paint - Gray
Sealing:	
Finish:	

Environmental Ratings:

Temperature:	-55 to +85 Deg. C (Operating) -65 to +125 Deg. 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.



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APPROVALS	DATE	TITLE	PRODUCT FEATURE
		PEC3-40-2G6G-15LM-SFF-HS	
DRAWN	08/02/11	SIZE	FSCM NO.
CHECKED		A	05X00
ISSUED		DWG NO.	27015341
		SCALE	N:S
		SHEET	1 OF 1
		REV.	A

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