

Description:

Model Number PEC3-40-1D6G2D7G-15LM-SFF is a 1.6 to 2.7 GHz limiting amplifier. This model operates with an input power range of -25 to +5dBm and maintains a limited output of +15dBm (±2dB).

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	1	ORIGINAL RELEASE	03/26/13
	A1	ECN # 13-0031	05/03/13

Specifications:

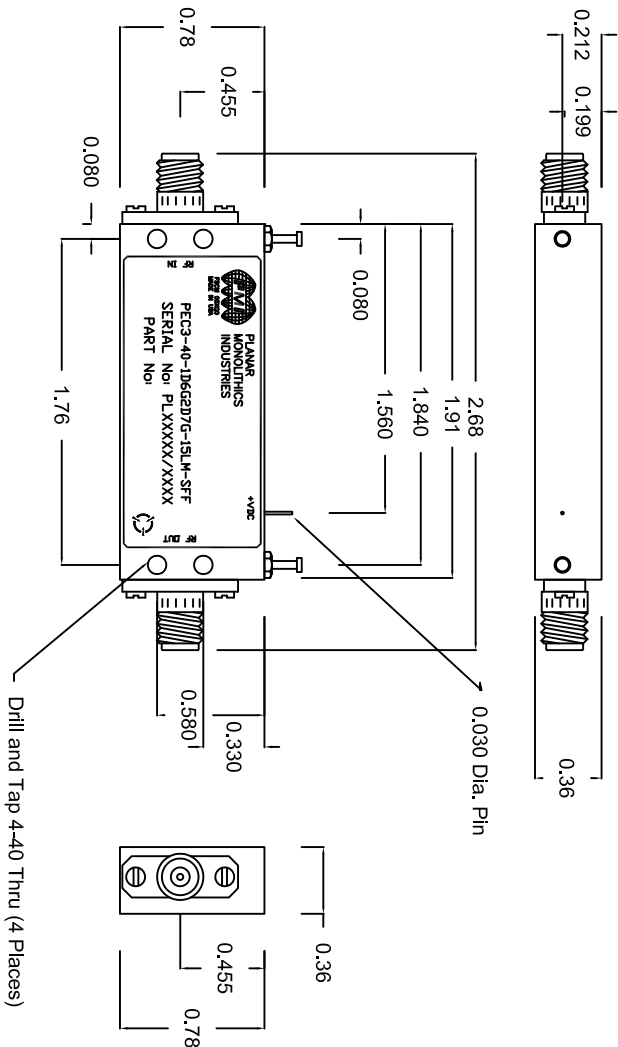
Frequency Range:	1.6 to 2.7 GHz
Noise Figure:	5.5dB Max. @ +25C
Gain:	35 dB Min.
Gain Flatness	+/-2.0dB Max. (over any 1GHz)
VSWR:	2.0:1 Max.
Saturated Power Output:	+15dBm (±2dB)
Input Power Range: *	-25 to +5dBm (Minimum Range)
	-30 to +5dBm (Goal)
Saturated Power Flatness:	+/-1.5dB Max.
Harmonic Content:	-15dBm (Minimum)
	-18dBm (Goal)
Reverse Isolation:	50dB Min.
Pulse Response: **	
Overshoot:	0.4dB Max.
Settling Time:	15ns Max.
Recovery Time:	50ns Max.
Maximum Input (No Damage):	+25dBm CW
DC Voltage:	+12 to +15V
DC Current:	400mA Max.
RF Connectors:	SMA - Female
Size:	1.91" (L) X 0.78" (W) X 0.36" (H)
Sealing:	Non-Hermetic
Finish:	Mil-Spec Epoxy Paint - Gray / Mounting surface free of paint (Gold Plated)
	Mounting Plate Gold Plated

(*) - For Limiting At +15dBm Output
(**) - For PW > 50 ns

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.



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PRODUCT FEATURE

PEC3-40-1D6G2D7G-15LM-SFF

APPROVALS		DATE		TITLE	
DRAWN	ALM	03/26/13		SIZE	FROM NO.
CHECKED				A	05X00
ISSUED				SCALE	N:S
				DWG NO.	
				27015341	
				REV.	
				A1	