

PMI Model Number: PE2-25-218-20-12-SFF-OPT6G8G is a 6 to 8 GHz low noise amplifier. This amplifier is supplied in our standard PE2 housing that can be used as a SMA connectorized or a surface mount component.

Frequency Range:	6 to 8 GHz
Gain:	25 dB Min.
Gain Flatness:	+/- 1.5 dB Max.
Noise Figure:	4.5 dB Typ, 5.5dB Max.
OP1dB:	+23 dBm Min.
VSWR Input/Output:	2.0:1 Max.
DC Voltage Supply:	+12 to +15 VDC
DC Current Draw:	350 mA Max.
Connectors In/Out	SMA Female

Internal Voltage Regulation

Unconditional Stability

Various Package types
Various Connector types
Temperature Compensation
Gain and Phase Matching
MIL-STD-883 Screening Available

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	09/30/16	
	A1	ECN # 17-0041	09/07/17	

MECHANICAL DRAWING OF THE PE2-25-218-30-12 SFF-Opt6880 MODULE.

Top View Dimensions:

- Overall Width: 1.08
- Distance from Left Edge to First Pin: 0.22
- Distance between Pin Pairs: 0.86
- Distance from Pin Pairs to Right Edge: 0.61
- Distance from Left Edge to First Pin (Alternative): 0.09
- Distance from Left Edge to First Pin (Alternative): 0.53
- Distance from Pin Pairs to Right Edge (Alternative): 0.26
- Distance from Pin Pairs to Right Edge (Alternative): 0.34
- Distance from Pin Pairs to Right Edge (Alternative): 0.86

Side View Dimensions:

- Overall Height: 0.71
- Distance from Top to First Pin: 0.29
- Distance between Pin Pairs: 0.36
- Distance from First Pin to Bottom: 0.12

Callouts and Labels:

- Ø0.080 THRU, 2 PLACES
- Ø0.025 DC PIN
- Ø0.012 RF PIN, 2 PLACES
- SMA (F) REMOVABLE, 2 PLACES
- PLANAR MONOLITHICS INDUSTRIES
- PE2-25-218-30-12 SFF-OPT6880
- PLXXXXX/XXXXX
- +VDC
- OUTPUT

The drawing shows the mechanical specifications of the PE2-25-218-20-12-SFF module. The top view (left) shows a rectangular module with a width of 0.04 and a length of 1.08. It features a 'GND' pin on the left, a '+VDC' pin on the right, and an 'OUTPUT' pin on the right. The module is labeled 'PLANAR MONOLITHICS INDUSTRIES', 'PE2-25-218-20-12-SFF', and 'PL0000X/000X'. The side view (right) shows a height of 0.15, a mounting hole diameter of 0.03, a mounting hole offset of 0.10, a mounting hole diameter of 0.18, and a mounting hole offset of 0.11. The module has a width of 0.36 and a height of 0.22.

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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE PE2-25-218-20-12-SFF-OPT6G8G			
APPROVALS	DATE				
DRAWN <i>B. Thomas</i>	<i>03/30/16</i>				
CHECKED					
ISSUED		SIZE A	FSCM NO. 05XQ0	DWG NO. 27029351	REV A
		SCALE	N:S		SHEET 1 OF 1