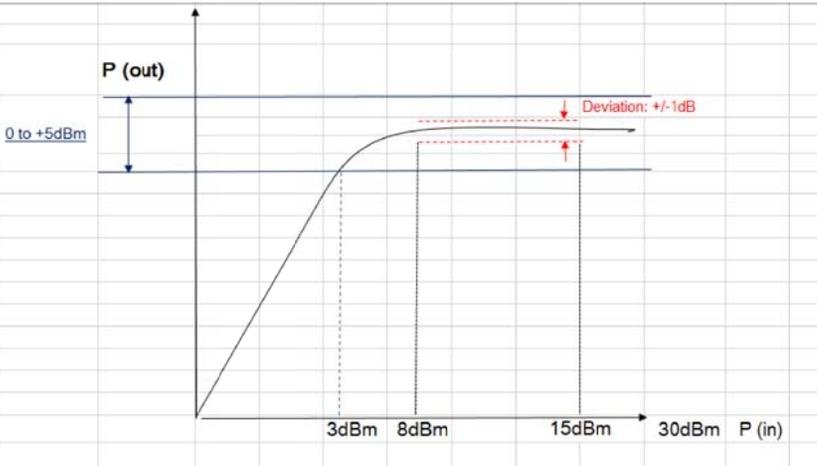


**Description:**

2.5 to 3.5GHz Active Limiter Meeting The Following Specifications:

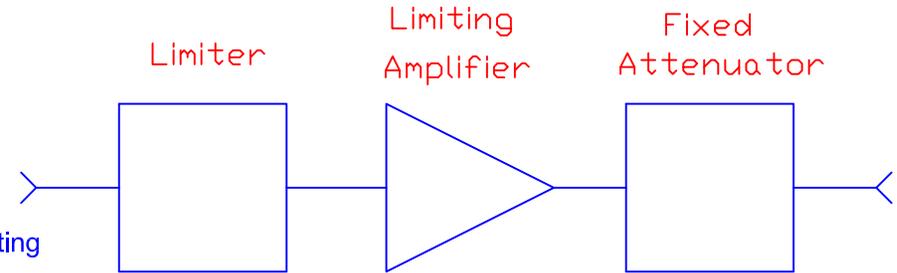
**Specifications:**

- Frequency: \_\_\_\_\_ 2.5 to 3.5 GHz
- Insertion Loss: \_\_\_\_\_ 3dB Max.
- Max. Input Power: \_\_\_\_\_ +30dBm (1W) CW
- Input Limiting Range: \_\_\_\_\_ +3 to +15 dBm
- Output Leakage Power: \_\_\_\_\_ 0 to +5dBm over +3 to +8dBm input power
- Output Power Deviation vs. any arbitrary 6dB input power range within input limiting range: +/- 1dB Max. See Graph below.
- Recovery Time: \_\_\_\_\_ TBD
- VSWR: \_\_\_\_\_ 1.5:1 Max.
- DC Supply: \_\_\_\_\_ +12VDC @ 180mA Typ.
- Connectors: \_\_\_\_\_ SMA(F)

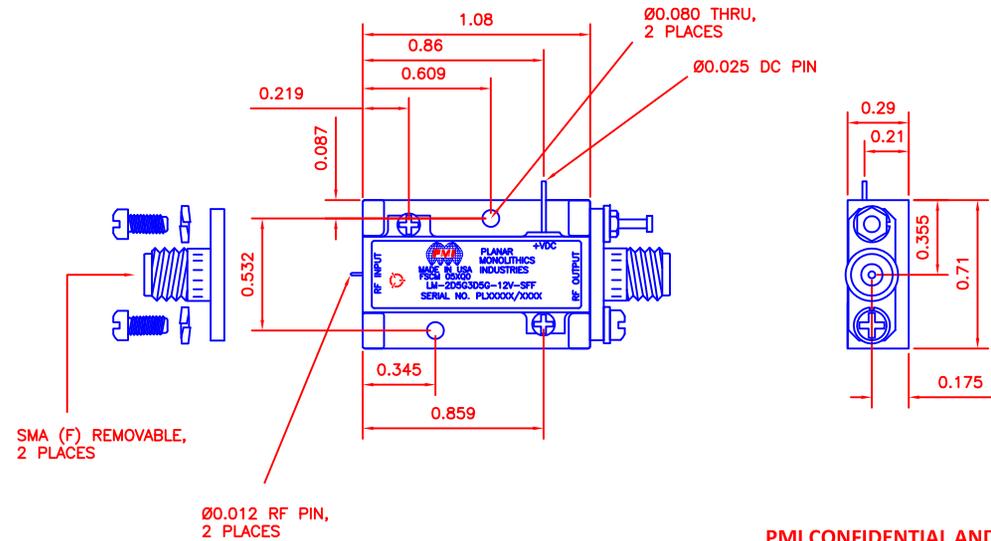


| REVISIONS |      |             |         |          |
|-----------|------|-------------|---------|----------|
| ZONE      | REV. | DESCRIPTION | DATE    | APPROVED |
|           | -    | PRELIMINARY | 6-18-17 |          |

**FUNCTIONAL BLOCK DIAGRAM**



**MECHANICAL OUTLINE**



PMI CONFIDENTIAL AND PROPRIETARY

**Environmental Ratings:**

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

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

**PLANAR MONOLITHICS INDUSTRIES, INC.**

7311-F GROVE ROAD  
FREDERICK, MARYLAND 21704 USA  
TEL: 301-662-5019 FAX: 301-662-1731  
WEBSITE: [www.pmi-rf.com](http://www.pmi-rf.com)  
E-MAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
ISO 9001 CERTIFIED



| APPROVALS |            | DATE    | TITLE                                  |          |              |
|-----------|------------|---------|--|----------|--------------|
| DRAWN     | <i>JPH</i> | 6-18-17 | PRODUCT FEATURE<br>LM-2D5G3D5G-12V-SFF |          |              |
| CHECKED   |            |         | SIZE                                   | FSCM NO. | DWG NO.      |
| ISSUED    |            |         | A                                      | 05XQ0    | PRELIMINARY  |
|           |            |         | SCALE                                  | N:S      | SHEET 1 OF 1 |