

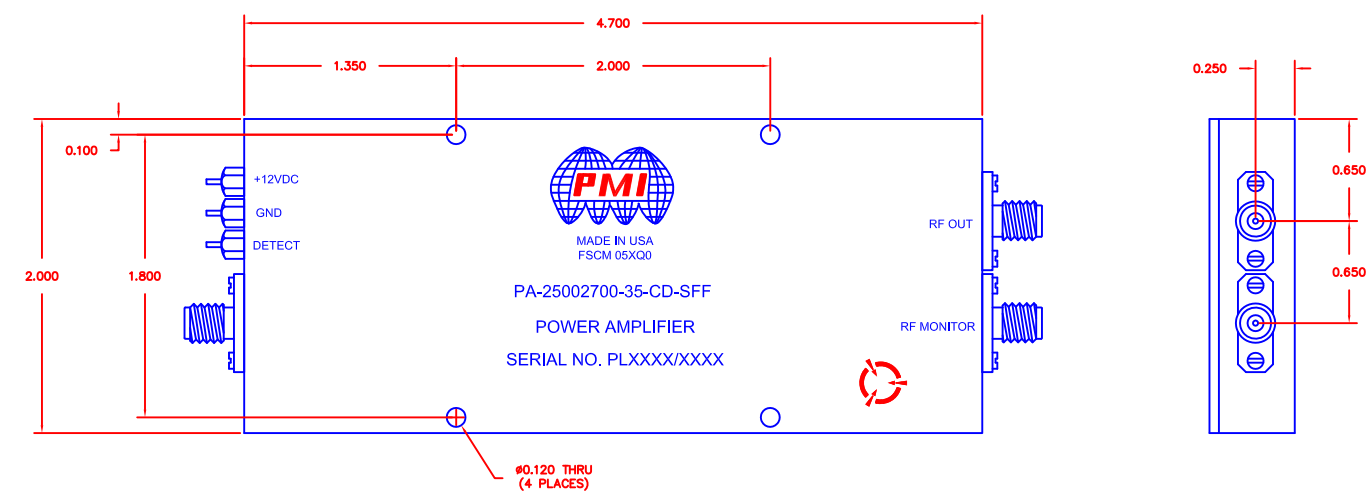
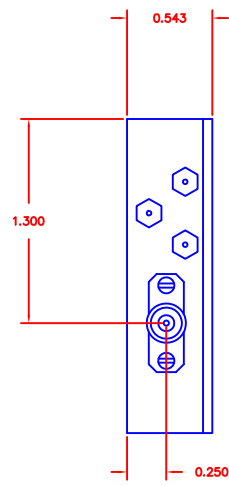
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	11/7/11	

**DESCRIPTION:**

PMI MODEL NUMBER PA-25002700-35-CD-SFF IS A POWER AMPLIFIER THAT OPERATES OVER THE 2500 TO 2700MHZ FREQUENCY RANGE. THIS MODEL OFFERS 4 WATTS OF OUTPUT POWER WHILE MAINTAINING A LOW TYPICAL NOISE FIGURE OF 5DB. THIS MODEL INCLUDES A SAMPLE RF PORT FOR RF OUTPUT LEVEL DETECTION.

**SPECIFICATIONS:**

- Frequency: 2500 MHz TO 2700 MHz
- P1dB: +35dBm Min., +36dBm Typ.
- OIP3: +47dBm Min., +50dBm Typ.
- Nominal Small Signal Gain: 31.5dB Min., 34.5dB Max.
- Gain Flatness vs. Frequency: +/-0.5dB Typ., +/-0.75dB Max.
- Gain Variation over Temperature: +/-0.5dB Typ., +/-0.75dB Max.
- Noise Figure: 5.0dB Typ., 8.0dB Max.
- Input VSWR: 1.5:1 Max.
- Output VSWR: 1.5:1 Max.
- Sample RF Output: 1.5:1 Max.
- Output VSWR: -35dBc Typ.
- Power Detector Output @ P1dB: 0.7V Typ.
- Spurious: -60dBc Typ.
- DC Voltage: +11.5V to +13.0V
- DC Current: 2500mA Typ., 3000mA Max.
- RF Connectors: SMA - Female



Absolute Maximum Ratings

- DC Voltage: +13V
- RF Input Power: +15dBm
- Maximum Load VSWR: 3.0:1

**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: -30°C TO +65°C (OPERATING)  
-55°C TO +125°C (STORAGE)
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

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ISO 9001:2008 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>KM</i>		11/7/11	PRODUCT FEATURE		
CHECKED			PA-25002700-35-CD-SFF		
ISSUED	SIZE A	FSCM NO. 05XQ0	DWG NO. 27014343	REV. A	
SCALE N:S			SHEET 1 OF 1		