

DESCRIPTION:

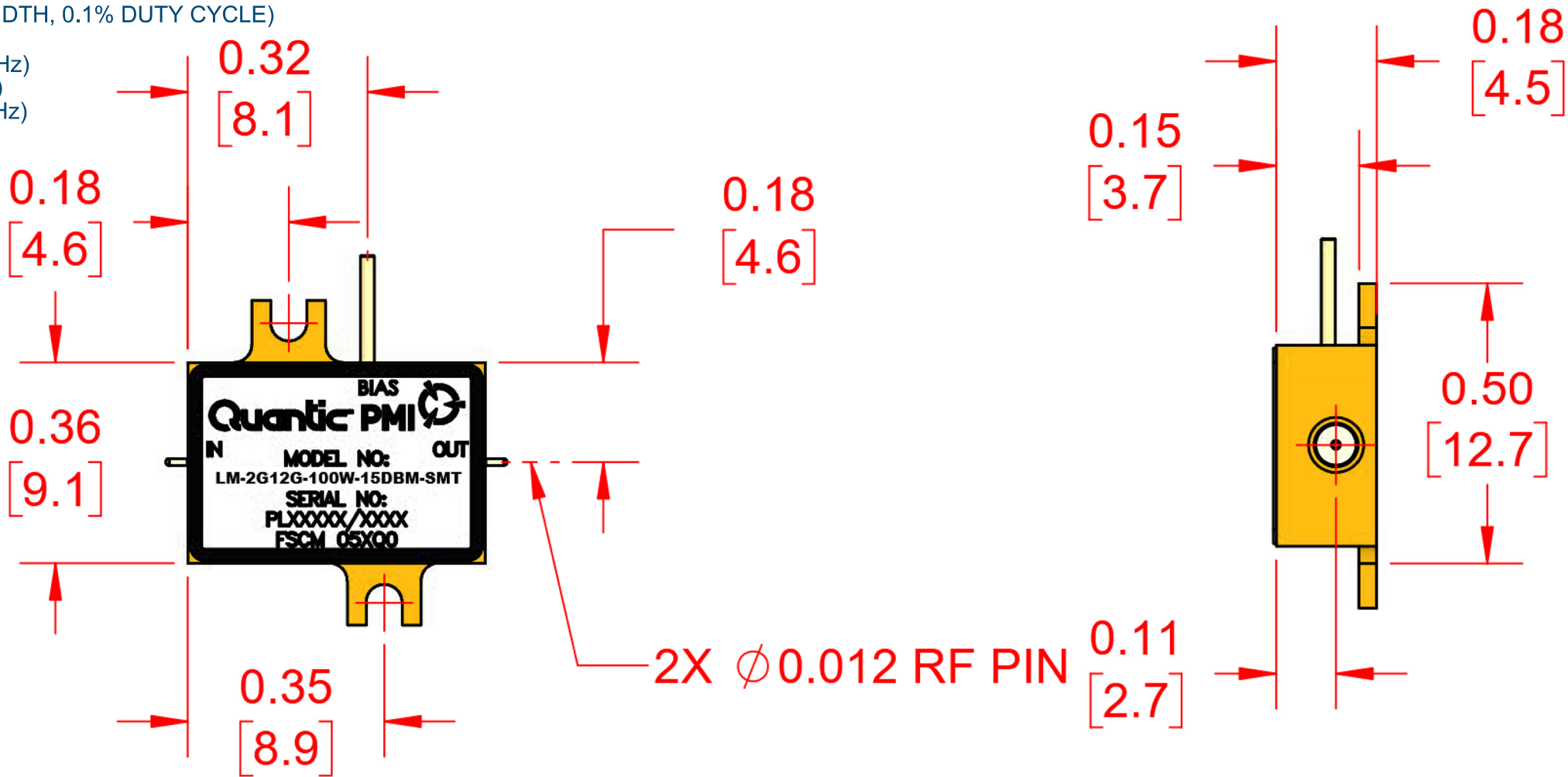
PMI MODEL NUMBER LM-2G12G-100W-15DBM-SMT IS AN RF LIMITER
DESIGNED TO OPERATE OVER THE 2 GHz TO 12 GHz FREQUENCY RANGE.

SPECIFICATIONS:

- FREQUENCY: 2 GHz TO 12 GHz
- RF POWER HANDLING 100 W CW MAX @ -55 TO +85 C
1 kW PEAK MAX +85 C (1 us PULSE WIDTH, 0.1% DUTY CYCLE)
100 W (1 us, 1% DUTY CYCLE, 10 kHz)
100 W (10 us, 0.1% DUTY CYCLE, 100 Hz)
100 W (1 us, 0.1% DUTY CYCLE, 1 kHz)
100 W (40 us, 10% DUTY CYCLE, 2.5 kHz)
- INSERTION LOSS 2.6 dB MAX @ -10 dBm INPUT POWER
- RECOVERY 100 ns MAX @ 100 W PEAK POWER
- LEAKAGE POWER +15 dBm MAX @ 100 W CW
- VSWR 2.0:1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD (P1dB) +5 dBm MIN

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-62°C TO +95°C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	03/06/25	

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± .XX ± 0.010 ± XXX ± 0.005 ±	
MATERIAL:	
FINISH:	
DO NOT SCALE DRAWING	

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APPROVALS		DATE		TITLE PRODUCT FEATURE LM-2G12G-100W-15DBM-SMT					
DRAWN		ASG						03/06/25	
REDRAWN									
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.		
				A	05XQ0	PRELIMINARY	-		
				SCALE	N:S		SHEET 1 OF 1		