

## DESCRIPTION

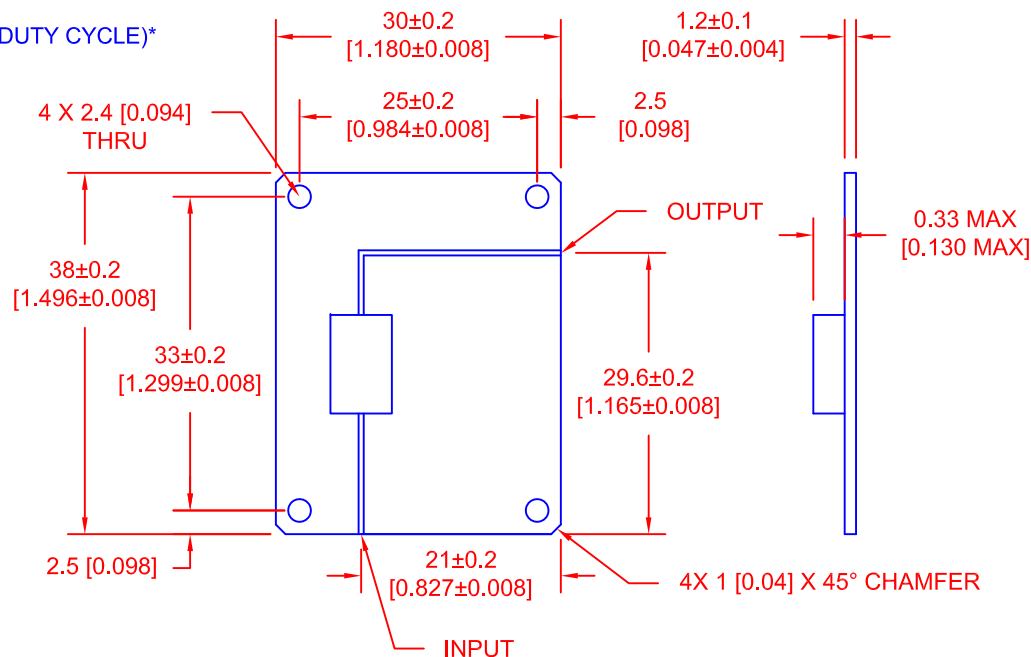
PMI MODEL: LM-1R2G1R4G-20-100W-SM IS A LIMITER THAT OPERATES OVER THE 1.2 TO 1.4 GHz FREQUENCY RANGE. THIS MODEL OFFERS A MAXIMUM INSERTION LOSS OF 0.6 dB WHILE HANDLING INPUT POWERS OF UP TO 100 W PEAK.

## SPECIFICATIONS

- FREQUENCY RANGE: 1.2 TO 1.4 GHz
- INSERTION LOSS: 0.6 dB MAXIMUM  
0.5 dB GOAL
- VSWR: 1.4:1 MAXIMUM  
1.2:1 GOAL
- INPUT POWER: 100.0 W PEAK (1.2 ms PULSE WIDTH, 20% DUTY CYCLE)\*
- SPIKE LEAKAGE: 29 dBm MAXIMUM
- FLAT LEAKAGE: 20 dBm MAXIMUM
- 3 dB RECOVERY TIME: 6  $\mu$ s GOAL (WITH INPUT 10W)
- WEIGHT: 1g TYPICAL
- SIZE: 38.0 mm x 30.0 mm x 1.2 mm  
[1.50" x 1.18" x 0.047"]
- FINISH: GOLD PLATED

\*TO BE TESTED @ 1.2 GHz WITH 100W PEAK POWER, 45  $\mu$ s PULSE WIDTH, & 0.3% DUTY CYCLE.

## MECHANICAL OUTLINE



## ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +70 °C (OPERATING @ 20% MAXIMUM DUTY CYCLE)  
+70 °C TO +85 °C (OPERATING @ 10% MAXIMUM DUTY CYCLE)

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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ISO 9001 CERTIFIED



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE		TITLE	
DRAWN		M. Berry		12/05/07	
CHECKED					
ISSUED					
SIZE	A	FSCM NO.	05XQ0	DWG NO.	PRELIMINARY
SCALE	N:S			SHEET	1 OF 1

PRODUCT FEATURE  
LM-1R2G1R4G-20-100W-SM  
1.2 to 1.4 GHz Limiter