



Planar Monolithics Industries, Inc.

RF & Microwave Components and Modules to 40GHz

ISO9001:2008 Certified

May 21, 2014

2.0 to 18.0GHz High Speed Threshold Detector

PMI Model No. TD-2G18G-RL-CD-SFF

PMI Model No. TD-2G18G-RL-CD-SFF is a high speed threshold detector designed to operate over the 2.0 to 18.0GHz frequency range with an adjustable threshold level of -30 to -10dBm and a VSWR of 3.0:1 max. This unit is supplied with field removable SMA Female connectors in a small package measuring 1.1" x 0.6" X 0.19".



Frequency Range	2.0 to 18.0GHz
VSWR	3.0:1 Typ.
Dynamic Range	-30dBm to +10dBm
Threshold Variation (With Frequency)	+/-1.5dB min
Minimum Pulse Width	50nsec Typ.
Output	TTL "0" Input Power > Threshold Setting TTL "1" Otherwise
Temperature Stability	1.0dB typ 3dB Above Threshold Setting
Threshold Setting Control	External Voltage 0 to +5V
Threshold Level Setting Range	-30 to -10dBm
Input Power	100mW CW max
Power Supply	+/-5V @100mA typ
Connectors	
RF	Removable SMA(F)
Output	Removable SMA(F)
Threshold Adjust	Solder Pin
Size	1.1" x 0.6" x 0.19"
Finish	Gold Plated

PLANAR MONOLITHICS INDUSTRIES, INC.

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4921 Roberts J. Mathews Parkway
Suite 1 El Dorado Hills, CA 95762 USA

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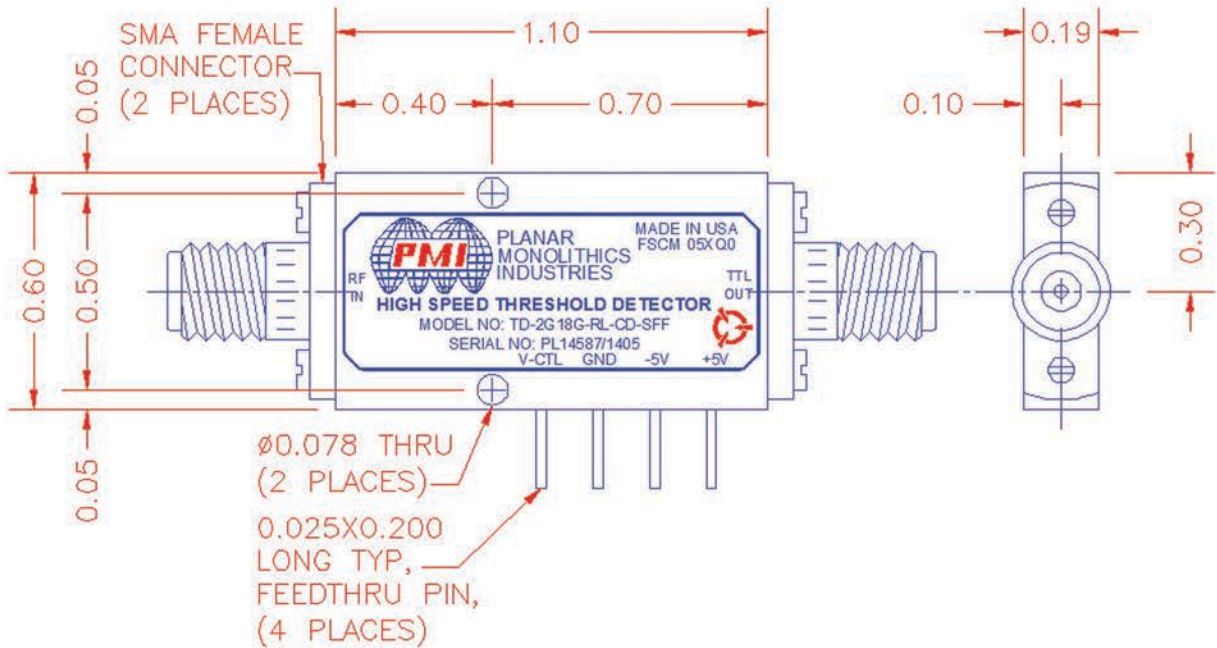
Email: sales@pmi-rf.com | www.pmi-rf.com

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Propagation Delay 7.624 ns
Full Pulse



Yellow = RF using a Crystal Detector (Neg) output.
Green = TTL Output 1V per Div.



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