



MINIATURE THRESHOLD DETECTOR - MODEL THDT-95001

TECHNICAL FEATURE

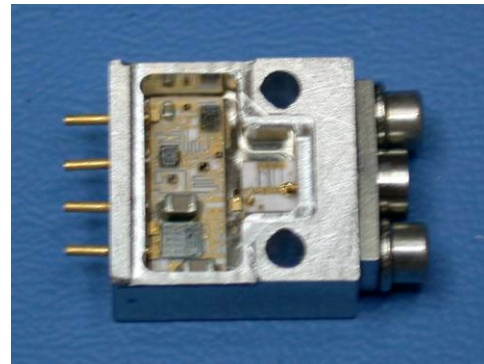
Features

- Compact physical size
- Hermetically sealed package
- Ideal for Built-in-test applications

Performance

Operating Frequency.....	2-13 or 13-18 GHz
Threshold Adjustment Range0 to -20 dBm*
Threshold Uncertainty.....	0.5 dB max
Input VSWR.....	2.5:1 max
Response Time	10 μ s max
Output Level	TTL Levels?
Limited RF Output Power	+13 to +16 dBm
Insertion Phase Variation.....	1.2 $^{\circ}$ /dB max
Power Supply	+9 - 15 VDC @ 15 mA max
RF Connector	GPO Male
DC Connectors	Pins
Operating Temperature Range	-54 to +85 $^{\circ}$ C
Package Size	0.55"x0.55"x0.23"

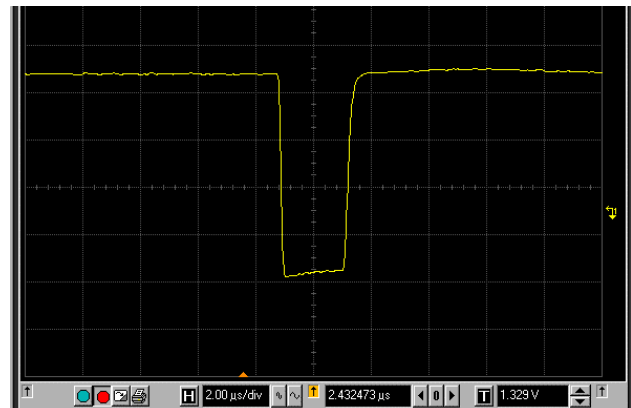
*Threshold adjustment is accomplished with an external resistor connected between adjustment pin and ground.



Description

The THDT-95001 miniature threshold detector provides the ability to detect a microwave signal and determine that it is above a preset value of power. This device is flexible in configuration allowing the user to control the level at which detection is to occur. The unit is constructed using high-reliability hybrid technology in a hermetically sealed welded housing.

Pulse Performance



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