

## Threshold Detectors Specification

Genesis offers additional customized options, including:

### Features:

Fast Response Time  
Excellent Threshold Resolution  
Low Drift

MODEL NUMBER	FREQUENCY RANGE (GHz)	VSWR (@-23 dBm)	PROPAGATION DELAY TIME (TYP) (nS)	THRESHOLD RESOLUTION VS. FREQUENCY (TYP) (dB)	CASE SIZE (INCHES) LxWxH
MTD-1004	8.0-12.0	2.5:1	35	±0.5	3.0x2.5x0.44
MTD-1052	0.5-2.0	2.0:1	30	±0.3	3.0x2.5x0.5
MTD-1618	6.0-18.0	3.0:1	30	±0.7	3.0x2.5x0.5

### General Specification:

*Power Supply Requirements:* +15 VDC ( $\pm 3.0\%$ ) at 80 mA      *Output:* TTL  
*(No Signal):* -15 VDC ( $\pm 3.0\%$ ) at 50 mA  
*External Adjustable Threshold Level:* -30 dBm to -5 dBm

**GMI offers a wide variety of customized microwave components and building block subassemblies. If our catalog products do not meet your requirements, please call us at 916-941-9125 and Genesis will customize your needs.**