

Tunnel Diode Detectors 0.1 to 26.5 GHz

Genesis offers additional customized options, including:

FEATURES:

Indium Gallium Arsenide
(Patent Pending) and Germanium
High Temperature Reliability:
Up to 200 deg. Celsius
Low Output Resistance
(100 ohm Typ)
Fast Pulse Detecting Capacity

Broadband, Flat Frequency Response

Excellent Device-to-Device Uniformity
Excellent Temperature Stability
(±0.5 dB Typ over Temp Extremes)

ENVIRONMENTAL RATING:

Max. Input Power:
50 mW CW
Operating Temp:
-55 deg. to +125 deg. Celsius
Storage Temp:
-55 deg. to +150 deg Celsius
Shock:
50G, 11 msec
Vibration:
20G, 100 to 2000 Hz

MODEL NUMBER	FREQ. RANGE (GHz)	TYPICAL SENSITIVITY K (mV/mW)	TYPICAL TSS (dBm)	TYPICAL FLATNESS (±dB)	TYPICAL VSWR IN/OUT	TYPICAL OUTPUT CAPACITANCE (pF)	PACKAGE STYLE/ CASE SIZE (INCHES) L X W X H
MD-0150	0.5-1.0	1000	-51	0.5	2.0:1	50	---
MD-0520E	0.5-2.0	800	-50	0.7	2.0:1	50	E
MD-1000	0.5-18.0	700	-42	1	3.0:1	20	2.3x2.3x0.45
MD-1018EP	1.0-18.0	700	-50	1	3.5:1	20	EP
MD-1020	1.0-2.0	1000	-51	0.5	2.0:1	20	A
MD-1040E	1.0-4.0	800	-50	0.7	2.5:1	20	E
MD-1218	12.0-18.0	750	-50	0.7	2.5:1	10	E
MD-2040E	2.0-4.0	1000	-51	0.5	2.0:1	10	E
MD-2080-1	2.0-8.0	800	-27	0.3	3.0:1	10	E
MD-2080	2.0-8.0	800	-50	0.75	3.0:1	10	---
MD-4080E	4.0-8.0	900	-51	0.6	2.5:1	10	E
MD-7011E	7.0-11.0	800	-50	0.5	2.0:1	10	E
MD-8012E	8.0-12.0	800	-50	0.5	2.5:1	10	E
MD-8016EP	8.0-16.0	800	-50	0.7	2.5:1	10	EP

Specifications (@+25 deg. Celsius, Up to -20dBm Power Input)

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.