

Limiter-Protected Tunnel Diode Detectors 0.5 to 18GHz

Genesis offers additional customized options, including:

FEATURES:

Limiter Protection Up to 1 Watt CW
 Flat Frequency Response
 High Reliability at High Temperature
 Hermetically Sealed Package

ENVIRONMENTAL RATING:

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	FREQUENCY RANGE (GHz)	TYPICAL SENSITIVITY K (mV/mW)	TYPICAL TSS (dBm)	MAXIMUM FLATNESS (±dB)	MAXIMUM INPUT POWER (dBm)	TYPICAL OUTPUT CAPACITANCE (pF)	PACKAGE STYLE
MLD-0520	0.5-2.0	800	-50	1	27	50	D
MLD-2080	2.0-18.0	600	-49	1.2	27	10	D

Detector Video Amplifiers Specification

Genesis offers additional customized options, including:

Features:

Fast Rise Time

Low Drift

Miniature Size

MODEL NUMBER	FREQUENCY RANGE (GHz)	VIDEO OUTPUT (@-20 dBm) (mV)	VSWR (@ -20 dBm)	MAXIMUM FLATNESS (±dB)	TSS MAX (dBm)	VIDEO OUTPUT MAX (V)	POWER SUPPLY REQUIREMENTS (NO RF SIGNAL) ±15V (mA)	CASE SIZE (INCHES) LxWxH
MLD-1012	0.1-2.0	200	2.0:1	0.5	38	8	50	1.0x1.0x0.25
MLD-1218	2.0-18.0	200	3.0:1	1	35	8	50	1.0x1.0x0.25

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.