KRYTAR®

ZERO BIAS SCHOTTKY DETECTORS
10 MHz-20 GHz, 10 MHz-26.5 GHz AND 10 MHz-40 GHz DESIGNED FOR MIL ENVIRONMENTS

SPECIFICATIONS

MODEL	FREQUENCY RANGE	FREQUENCY RESPONSE	MAXIMUM VSWR	OUTPUT CONNECTOR	DIMENSIONS
201A	10 MHz - 20 GHz	±0.5 dB	1.35	SMA Female	1.57 in. x 0.4 in. dia.
201B	10 MHz - 20 GHz	±0.5 dB	1.35	BNC Female	1.85 in. x 0.4 in. dia.
201S	10 MHz - 20 GHz	±0.5 dB	1.35	SMC Jack	1.45 in. x 0.4 in. dia.
202A	10 MHz - 26.5 GHz	±0.5 dB to 20 GHz ±0.8 dB to 26.5 GHz	1.35 to 20 GHz 1.5 to 26.5 GHz	SMA Female	1.57 in. x 0.4 in. dia.
202B	10 MHz - 26.5 GHz	±0.5 dB to 20 GHz ±0.8 dB to 26.5 GHz	1.35 to 20 GHz 1.5 to 26.5 GHz	BNC Female	1.85 in. x 0.4 in. dia.
202S	10 MHz - 26.5 GHz	±0.5 dB to 20 GHz ±0.8 dB to 26.5 GHz	1.35 to 20 GHz 1.5 to 26.5 GHz	SMC Jack	1.45 in. x 0.4 in. dia.
203A **203AK**	10 MHz - 40 GHz	±0.5 dB to 20 GHz ±0.8 dB to 26.5 GHz ±1.5 dB to 40 GHz	1.35 to 20 GHz 1.5 to 26.5 GHz 2.0 to 40 GHz	SMA Female	1.57 in. x 0.4 in. dia.
203B **203BK**	10 MHz - 40 GHz	±0.5 dB to 20 GHz ±0.8 dB to 26.5 GHz ±1.5 dB to 40 GHz	1.35 to 20 GHz 1.5 to 26.5 GHz 2.0 to 40 GHz	BNC Female	1.85 in. x 0.4 in. dia.
203S **203SK**	10 MHz - 40 GHz	±0.5 dB to 20 GHz ±0.8 dB to 26.5 GHz ±1.5 dB to 40 GHz	1.35 to 20 GHz 1.5 to 26.5 GHz 2.0 to 40 GHz	SMC Jack	1.45 in. x 0.4 in. dia.

LOW LEVEL SENSITIVITY 0.5 mV/μW

OUTPUT CAPACITANCE 30 pF

MAXIMUM INPUT 100 mW

OPERATING TEMPERATURE -54° to +100° C

OUTPUT POLARITY Negative

For positive output, add “P” to end of Model Number.

INPUT CONNECTOR

Models 201A, 201B, 201S, 202A, 202B, 202S 3.5 mm Male

Models 203A, 203B, 203S 2.4 mm Male

Models 203AK, 203BK, 203SK 2.92 mm Male

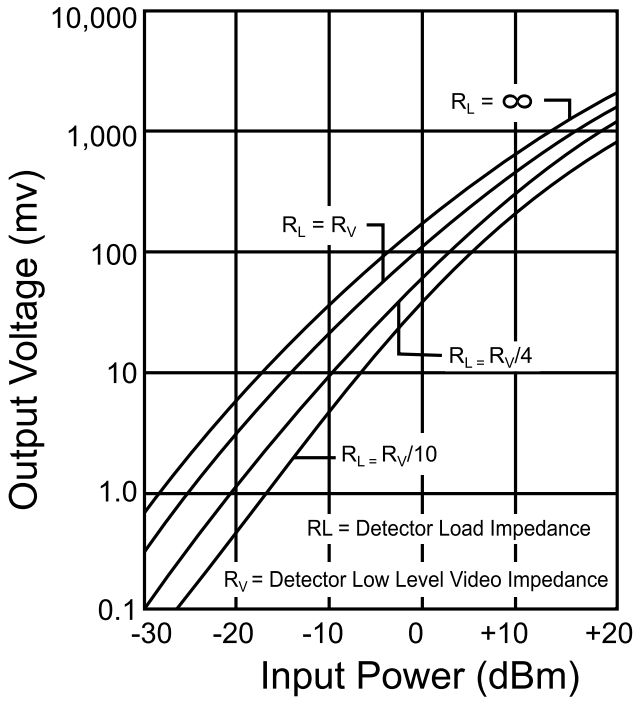
KRYTAR®

1288 Anvilwood Ave. • Sunnyvale, CA 94089 • (408) 734-5999 • FAX: (408) 734-3017
Toll Free 1 (877) 734-5999 • www.krytar.com

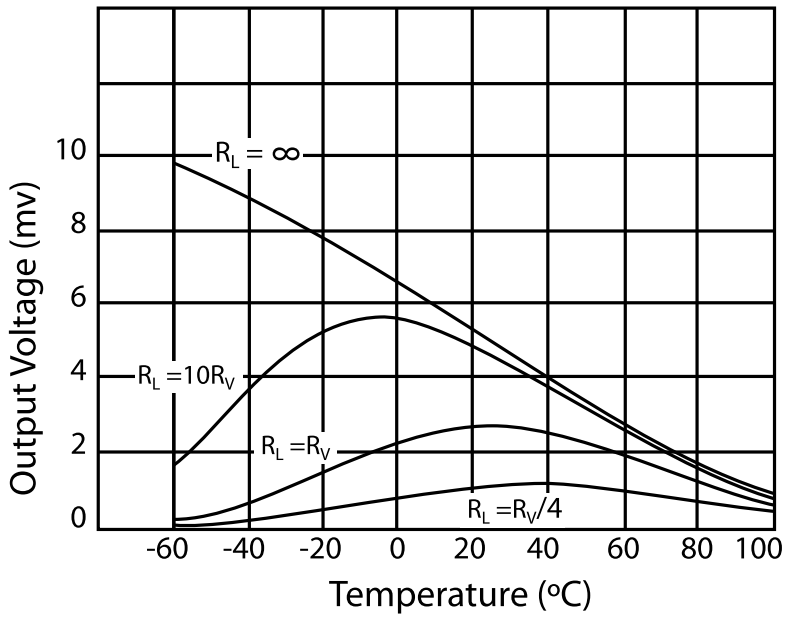
04/09

ZERO BIAS SCHOTTKY DETECTORS

TYPICAL OUTPUT VOLTAGE vs. INPUT POWER CURVES FOR VARIOUS R_L/R_V RATIOS at T_a=20ºC



TYPICAL LOW LEVEL (Pin $\leq$ -20 dBm) OUTPUT RESPONSE vs. TEMPERATURE CURVES FOR VARIOUS R_L/R_V RATIOS



Curves are normalized to $R_L=\infty$ and T_a=20ºC, R_v corresponds to the load that drops the open circuit ouput voltage in half (3dB) at 20ºC.