



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

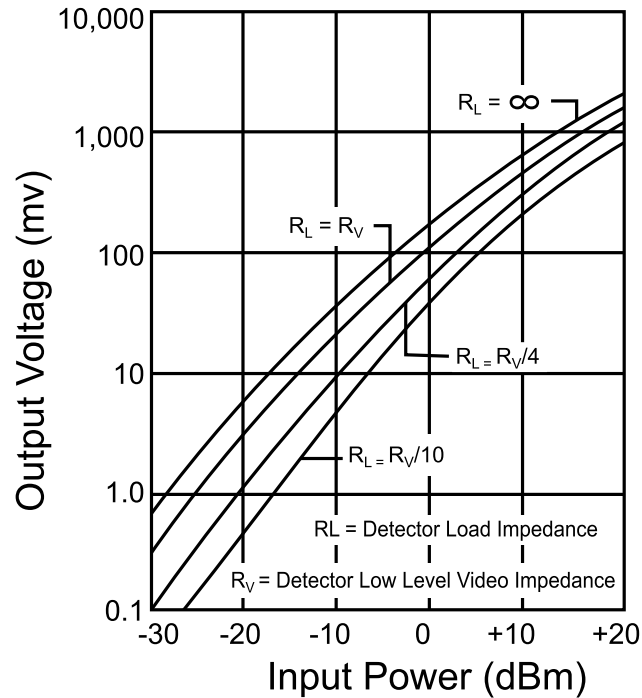
OUTPUT POLARITY Negative
 For positive output, add "P" to end of Model Number.

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

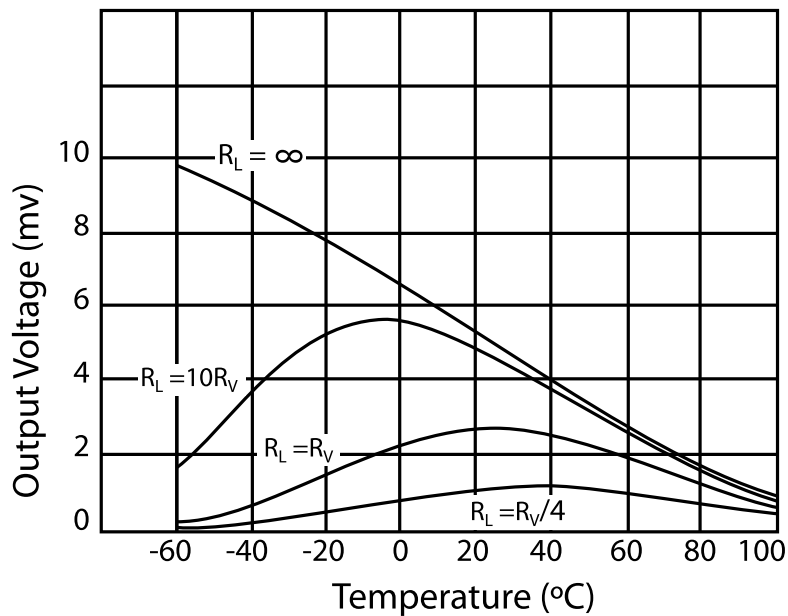


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TYPICAL OUTPUT VOLTAGE vs. INPUT POWER CURVES FOR VARIOUS R_L/R_V RATIOS at $T_a=20^\circ\text{C}$



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



Curves are normalized to $R_L = \infty$ and $T_a = 20^\circ\text{C}$, R_V corresponds to the load that drops the open circuit output voltage in half (3dB) at 20°C .