



ZERO BIAS SCHOTTKY DETECTORS

100 MHz-20 GHz, 100 MHz-26.5 GHz
AND 100 MHz-40 GHz
DESIGNED FOR MIL ENVIRONMENTS



SPECIFICATIONS

| MODEL | FREQUENCY RANGE | FREQUENCY RESPONSE | MAXIMUM VSWR | OUTPUT CONNECTOR | DIMENSIONS |
|---------------|--------------------|---|--|------------------|-------------------------|
| 301A | 100 MHz - 20 GHz | ±0.5 dB | 1.35 | SMA Female | 1.57 in. x 0.4 in. dia. |
| 301B | 100 MHz - 20 GHz | ±0.5 dB | 1.35 | BNC Female | 1.85 in. x 0.4 in. dia. |
| 301S | 100 MHz - 20 GHz | ±0.5 dB | 1.35 | SMC Jack | 1.45 in. x 0.4 in. dia. |
| 302A | 100 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. |
| 302B | 100 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. |
| 302S | 100 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. |
| 303A 303AK | 100 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. |
| 303B 303BK | 100 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. |
| 303S 303SK | 100 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 3.0 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 301A, 301B, 301S, 302A, 302B, 302S 3.5 mm Male
 Models 303A, 303B, 303S 2.4 mm Male
 Models 303AK, 303BK, 303SK 2.92 mm Male

