

## 50-75 GHz Broadband Detector



Spacek Labs Model DV-2 is a full-band, 50-75 GHz detector. This detector is a very cost-effective way of measuring power in the V-band spectrum. The RF input is WR-15 (UG385/U) and the output is SMA (F). These detectors can be used as fast data rate receivers, with up to 3 GHz bandwidth at the 3 dB point into a 50 Ohm load. Typical input sensitivity is 1500 mV/mW at -20 dBm input power. Using a 10 megohm load the sensitivity is 1500 mV/mW at -20 dBm input power. Flatness across the band is  $\pm 2$  dB with a typical tangential sensitivity of -45 dBm in a 1 MHz video bandwidth. Maximum input power is +18 dBm. This detector is available with positive (P) or negative (N) output polarity.

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