

Broadband Detector, Model DKa-2

Description:

Spacek Labs Model DKa-2 is a full-band, 26.5-40 GHz detector. This detector is a very cost effective way of measuring power in the Ka-band spectrum. The RF input is WR-28 (UG599/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. Using a 10 megohm load the sensitivity is 2800 mV/mW at -20 dBm input power. Flatness across the band is ± 2 dB with a typical tangential sensitivity of -45 dBm in a 1 MHz video bandwidth. Maximum input power is +19 dBm. This detector is available with positive (P) or negative (N) output polarity.

Features:

- Extremely rugged and compact
- Available in waveguide bandwidths from 18 to 110 GHz
- Our detectors can be made to extend frequency counters (up to 110 GHz)

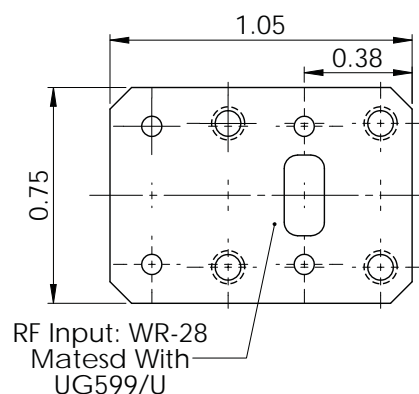
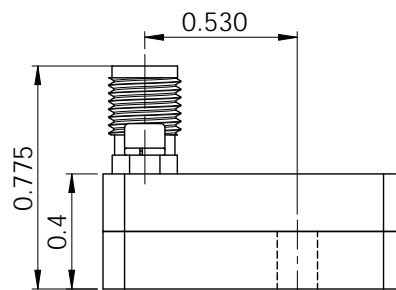
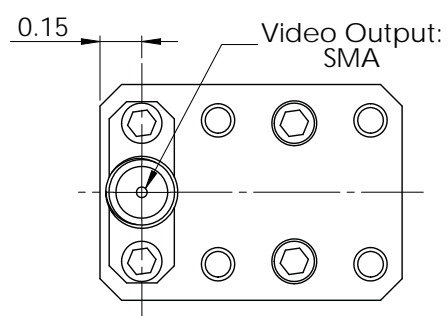
Electrical Specifications:

Description	Min.	Typ.	Max.
Frequency (GHz)	26.5 GHz	-	40 GHz
Sensitivity (mV/mW)*	-	2800	-
Flatness (dB)	-	± 2 dB	-
Max Input Power (dBm)	-	-	18 dBm

* @ -20 dBm input power

Mechanical Specifications:

Description	Specification
Connector, Input	WR-28, UG599/U
Connector, Output	SMA (F)
Dimensions OA	See outline
Material	Brass
Finish	Gold
Weight	2.0 oz



OUTLINE: DIMENSIONS IN INCHES (NOT TO SCALE)

BROADBAND DETECTORS