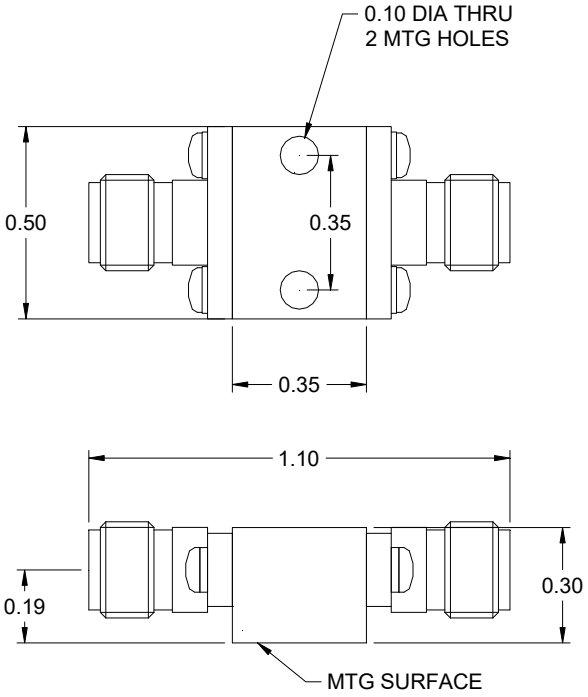
DG3040/DG3040P 30 – 40 GHz Zero Bias Schottky Detector

FEATURES

- Excellent Flatness vs. Frequency
- Mounting Holes Option
- No Bias Required
- High Sensitivity

SPECIFICATIONS

30 – 40 GHz Zero Bias Schottky Detector		
Parameter	**Negative Polarity**	**Positive Polarity**
Model Number	DG3040	DG3040P
Frequency Range	30 – 40 GHz	30 – 40 GHz
Sensitivity	600 mV/mW Typ., 250 mV/mW Min.	250 mV/mW Typ., 150 mV/mW Min.
Flatness vs. Frequency	±0.50 dB Typ., ±0.80 dB Max.	±0.50 dB Typ., ±0.80 dB Max.
TSS	-40 dBm Typ.	-40 dBm Typ.
Maximum Input Power	+20 dBm	+20 dBm
Output Polarity	Negative	Positive
Connector Type	RF: 2.92 mm Female, DC: SMA Female	RF: 2.92 mm Female, DC: SMA Female



Design to meet the following environmental ratings: (verification optional)

1. Operating Temp: -55°C to +85°C
2. Storage Temp: -65°C to +125°C
3. Shock: MIL-STD-202F, M213, Cond B
4. Altitude: MIL-STD-202F, M105, Cond B
5. Vibration: MIL-STD-202F, M204, Cond B
6. Thermal Shock: MIL-STD-202F, M107, Cond A
7. Temp. Cycle: MIL-STD-202F, M105C, Cond D
8. Humidity: MIL-STD-202F, M103, Cond B
   (Optional with Hysol epoxy seal)

Standard Finishing: Rugged Aluminum Housing. Optional finishing with blue epoxy paint per MIL-C-22750 available on request to meet the humidity specification MIL-STD-202F, M103, Cond B

Note:

1. Other connector combination available on request
2. The sensitivity is measured into an open circuit load (>10k Ohm)
3. Other frequency range available on request
4. The sensitivity is tested at -20 dBm input power