



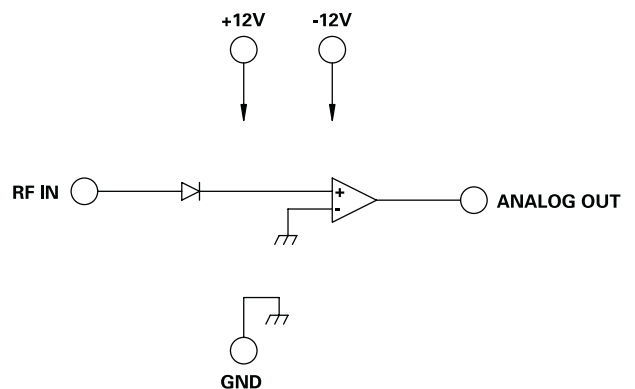
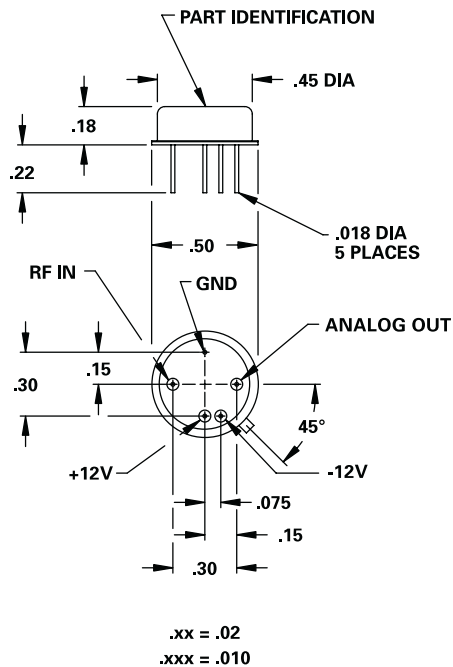
## MODEL NUMBER DAD02006

## Analog Level Detector

### FEATURES

- 500-2000 MHz
- $\pm 0.4$  dB Temperature Stability
- 185 mV Output Voltage  
@  $P_{in} = -10$  dBm
- $\pm 1$  dB Input Flatness
- Broad Temperature Range
- 5 Pin TO-8 Package
- -20 to +10 dBm Dynamic Range

TD



### GUARANTEED PERFORMANCE

| Parameter             | Min | Typ       | Max       | Units     | Conditions                |
|-----------------------|-----|-----------|-----------|-----------|---------------------------|
| Operating Frequency   | 500 |           | 2000      | MHz       |                           |
| Dynamic Range         | -20 |           | +10       | dBm       |                           |
| Temperature Stability |     | $\pm 0.4$ | $\pm 1.0$ | dB        | +10 to -10 dBm            |
| Input Flatness        |     | $\pm 0.4$ | $\pm 1.0$ | dB        | +10 to -10 dBm            |
| Analogue Output       |     | 835       |           | mV        | $P_{in} = 0$ dBm          |
|                       |     | 410       |           | mV        | $P_{in} = -5$ dBm         |
|                       |     | 185       |           | mV        | $P_{in} = -10$ dBm        |
| Rise Time             |     | 12        | 20        | $\mu$ Sec | 10% / 90%                 |
| Input VSWR            |     | 1.4/1     | 1.7/1     |           |                           |
| Output Offset Drift   |     | 50        |           | mV        | No Input Power Over Temp. |
| DC Current            |     | 1.4       | 2         | mA        | At +12 VDC                |
|                       |     | 1.5       | 2         | mA        | At -12 VDC                |
| Operating Temperature | -55 | +25       | +110      | °C        | TA                        |

