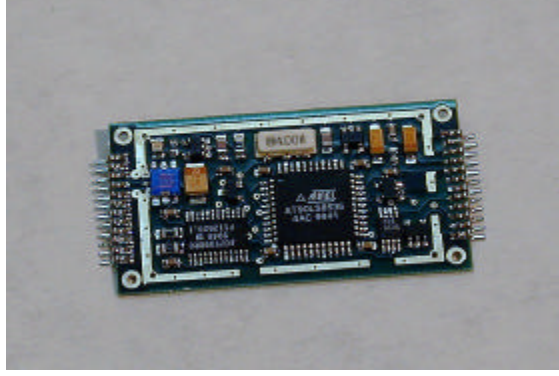
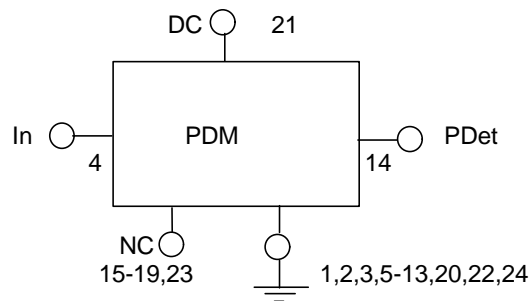


DIGITAL POWER DETECTOR MODULE 400 MHz to 2.9 GHz**description**

The Digital Power Detector Module provides a power detection solution that can be custom configured for your target band between 400 MHz and 2.9 GHz. The output is linearized and temperature compensated by a powerful embedded microcontroller.

Typical Biasing Configuration



PIN CONNECTIONS

RF IN	4
PWR DET OUT	14
DC VOLT IN	21
GND	1,2,3,5-13,20,22,24
N/C	15-19,23

features

- Excellent wide-band performance - 400 MHz to 2.9 GHz
- Superior immunity to modulation distortion
- Low cost, shielded design
- 10° to 50° C compensated range

typical specifications

Operating Frequency	400 MHz to 2.9 GHz
Temperature Comp. Range	0° – 50° C
Dynamic Range	21 dB (-5 dBm to +16 dBm)
Maximum Input	+ 16 dBm
Input Impedance	50 ohms
PDET @ 16dBm	4.1 VDC
PDET Slope	100 mv / dB
DC Power	50 mA @ 12 – 15 volts
Typical flatness over target band	±0.5 dBm

absolute maximum ratings

Temp, Case operating	- 10° to 70° C
Temp, Storage	- 55° to 150° C
DC Volts	+ 15.0 V