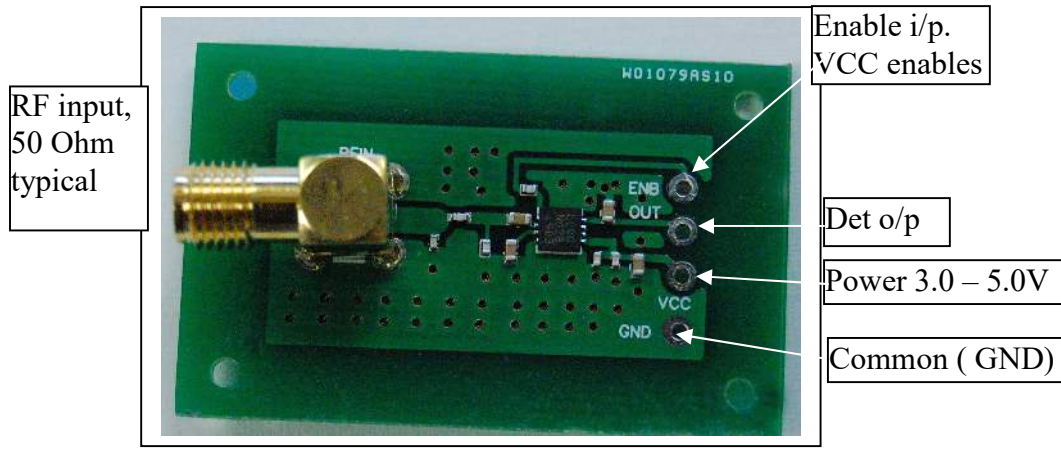


Detector documentation



General: The detector is a wideband RF signal measuring device. It is ready to be used. All that is required is a positive supply, ground and the input RF signal. All the connections are shown clearly in the image above.

More data:

| Parameter | Conditions | Min | Typ | Max | Units |
|--------------------------|------------|------|-----------|---------|-------|
| VCC | | 3.0 | | 5.25 | V |
| Enable Voltage | | -0.3 | | VCC+0.3 | V |
| RF input power | | | | 15.0 | dBm |
| Temperature | Operating | -40 | | 85.0 | Deg C |
| RF input frequency range | | 40 | | 3000 | Mhz |
| Input resistance | | | 300 | | Ohm |
| Common mode Volt | | | VCC - 0.5 | | Volt |

| Parameter | Conditions | Min | Typ | Max | Units |
|-----------------------|------------|-----|-------|-----|-------|
| Enable | ON | 1.0 | | | Volt |
| Enable | OFF | | | 0.3 | V |
| Power supply current | | | 30.0 | | mA |
| OFF current | | | | 100 | uA |
| Turn ON time | | | | 300 | ns |
| Turn OFF time | | | | 1.5 | us |
| Output voltage | No signal | | 0.350 | | Volts |
| Output impedance | | | 150 | | Ohms |
| Output source current | | | 10 | | mA |
| Output sink current | | | 200 | | uA |

Measurement data:

