

General Description

The IDT EXE8602 is a high-performance GaAs power detector with linear voltage output over an input operating power range from -2 to +23.5dBm, low insertion loss of 0.5 dB typical, broadband performance from 71 to 86 GHz, return loss better than 13 dB and excellent repeatability. This device can be used for a wide range of applications from defense electronics to commercial communication systems and is ideally used for E-band applications.

All die are visually inspected to Mil-Std-883 Method 2010.

Applications

- Defense electronics
- E-band communications systems

Device Diagram

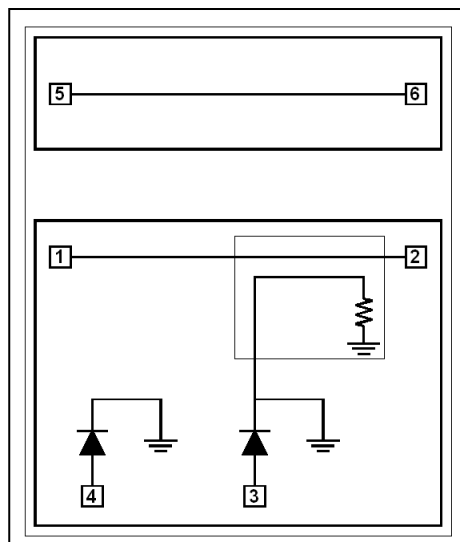


Figure 1: Device block diagram

Features

- Frequency: 71 - 86 GHz
- Input Power Range: -2 to + 23.5dBm
- Insertion Loss: 0.5 dB, typical
- Return Loss: <13 dB
- RoHS Compliant
- Die size: 0.87 mm x 1.87 mm

Ordering Information

Part	Description
EXE8602-DNT	RoHS compliant bare die in waffle pack

For price, delivery schedules, and to place orders, please contact IDT: www.IDT.com/go/sales

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