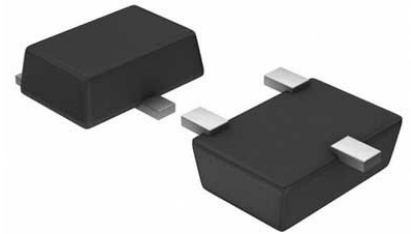


RF Detector 300MHz to 7000MHz 10dBm 6-Pin TSOT-23 T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Analog Devices, Inc](#)

Package/Case: TSOT23-6

Product Type: RF Integrated Circuits

RoHS: RoHS Compliant/Lead free 

Lifecycle: Unconfirmed

General Description

The LTC5532 is an RF power detector for RF applications operating in the 300MHz to 7GHz range. A temperature compensated Schottky diode peak detector and buffer amplifier are combined in a small ThinSOT™ or (2mm x 2mm) DFN package. The supply voltage range is optimized for operation from a single lithium-ion cell or 3x NiMH.

The RF input voltage is peak detected using an on-chip Schottky diode. The detected voltage is buffered and supplied to the VOUT pin.

The LTC5532 output buffer gain is set via external resistors. The initial starting voltage of 120mV ±35mV can be precisely adjusted using the VOS pin.

The LTC5532 operates with RF input power levels from -32dBm to 10dBm

Key Features

Temperature compensated internal Schottky diode RF detector

Buffered detector output with external gain control

Precision VOUT offset control

120mV ±35mV for gain = 2x Low starting voltage

500µA Low operating current

Application

Wireless, RF Communications, Power Management

Recommended For You

LTC5507ES6#TRMPBF

Analog Devices, Inc

SOT23-6

LTC5564IUD#PBF

Analog Devices, Inc

QFN

LT5534ESC6

Analog Devices, Inc

SC70-6

LT5534ESC6#PBF

Analog Devices, Inc

SC70-6

LTC5531ES6

Analog Devices, Inc

SOT23-6

LTC5569IUF#PBF

Analog Devices, Inc

QFN16

LT5557EUF#PBF

Analog Devices, Inc

QFN

LT5537EDDB#TRMPBF

Analog Devices, Inc

DFN-8

LT5581IDDB#TRPBF

Analog Devices, Inc

DFN

LT5534ESC6#TRMPBF

Analog Devices, Inc

SC-70

LTC5536ES6

Analog Devices, Inc

TSOT23-6

LTC5596IDC#TRMPBF

Analog Devices, Inc

DFN8

LTC5548IUDB#TRMPBF

Analog Devices, Inc

QFN-12

LTC5508ESC6

Analog Devices, Inc

SC70-6

LTC5510IUF#PBF

Analog Devices, Inc

QFN16