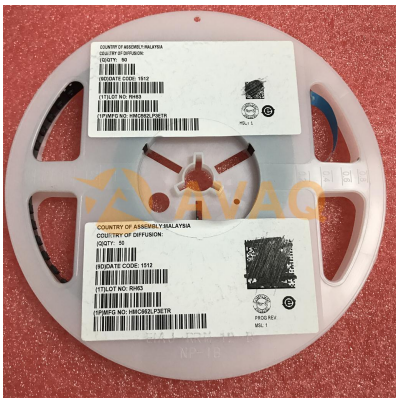
HMC662LP3E

RF Detector 8000MHz to 30000MHz 12dBm 16-Pin LFCSP EP T/R

Manufacturer:	Analog Devices, Inc
Package/Case:	QFN
Product Type:	RF Integrated Circuits
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The HMC662LP3E Logarithmic Detector converts RF signals at its input, to a proportional DC voltage at its output. The HMC662LP3E employs successive compression topology which delivers high dynamic range over a wide input frequency range. As the input power is increased, successive amplifiers move into saturation one by one creating an approximation of the logarithm function.

The output of a series of square law detectors is summed, converted into the voltage domain and buffered to drive the LOG OUT output. The HMC662LP3E provides a nominal logarithmic slope of +13 mV/dB and an intercept of -127 dBm at 18 GHz. Ideal as a log detector for high volume microwave radio and VSAT applications, the HMC662LP3E is housed in a compact 3x3 mm RoHS compliant SMT plastic package.

Key Features

Wide Input Bandwidth:

8 to 30 GHz

Wide Dynamic Range:

Single Positive Supply: +3.3V

Excellent Stability Over Temperature

Fast Rise/Fall Time: 5ns / 10ns

16 Lead 3x3mm SMT Package: 9mm²

Application

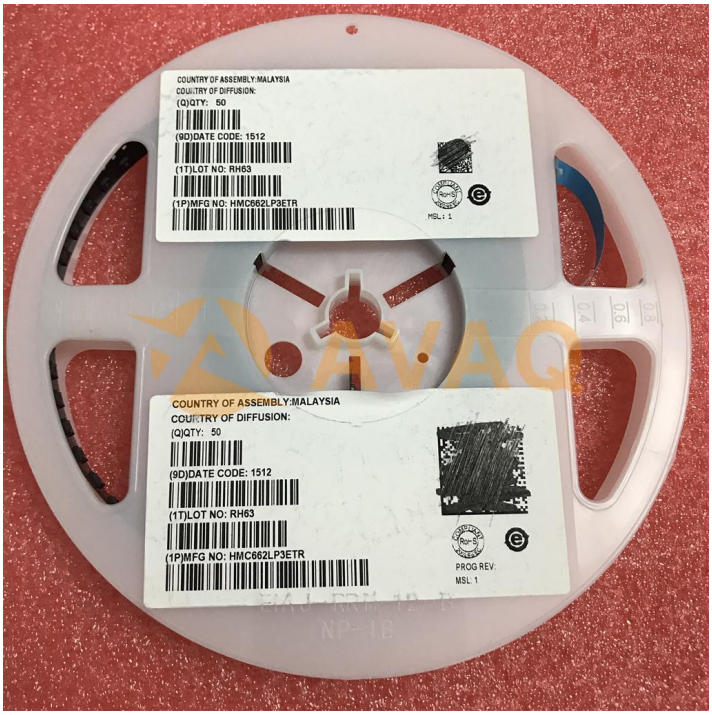
Point-to-Point Microwave Radio

VSAT

Wideband Power Monitoring

Receiver Signal Strength Indication (RSSI)

Test & Measurement



Recommended For You

HMC624ALP4E

Analog Devices, Inc

QFN24

HMC952ALP5GE

Analog Devices, Inc

QFN

HMC361S8GE

Analog Devices, Inc

SOP-8

HMC253AQS24E

Analog Devices, Inc

QFN

HMC346MS8G

Analog Devices, Inc

MSOP8

HMC1119LP4ME

Analog Devices, Inc

QFN

HMC659LC5

Analog Devices, Inc

QFN

HMC909LP4E

Analog Devices, Inc

QFN

HMC564LC4

Analog Devices, Inc

QFN

HMC1021LP4E

Analog Devices, Inc

QFN

HMC241AQS16E

Analog Devices, Inc

SSOP16

HMC424LP3E

Analog Devices, Inc

QFN

HMC8038LP4CE

Analog Devices, Inc

QFN16

HMC363S8G

Analog Devices, Inc

SOP8

HMC394LP4E

Analog Devices, Inc

QFN