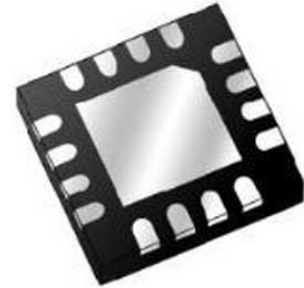


WIDEBAND FIXED ATTENUATOR FAMILY, DC - 50 GHz

Manufacturers	Analog Devices, Inc
Package/Case	QFN-16
Product Type	RF Integrated Circuits
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for HMC652 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The HMC650/HMC651/HMC652/HMC653/HMC654/HMC655/HMC656/HMC657/HMC658 are a line of wideband fixed value 50 Ohm matched attenuator chips which offer relative attenuation levels of 0, 2, 3, 4, 6, 10, 15 and 20 dB. These passive throughlines and attenuators are ideal for microstrip, hybrid, and multi-chip module applications where extremely flat attenuation, and excellent VSWR vs. frequency are required.

These wideband attenuators feature low inductance on-chip vias, and require no additional ground connections. The HMC650 through HMC658 are backside metallized with gold, and are suitable for eutectic or epoxy die attach. Each of the 9 products can be purchased individually by their respective part number or in a set of 10 each in the HMC-DK006 Fixed Attenuator Chip Designer's Kit.

Features

Wide Bandwidth: DC - 50 GHz

9 Attenuator Products: 0, 2, 3, 4, 6, 10, 15, & 20 dB Fixed Levels

Power Handling: +25 dBm

HMC651 & HMC658 Die Size: 0.57 × 0.45 × 0.1 mm

HMC650, HMC652, HMC653, HMC654, HMC655, HMC656 & HMC657 Die Size: 0.42 × 0.45 × 0.1 mm

Included in the HMC-DK006 Designer's Kit

Application

Fiber Optics

Microwave Radio

Military & Space Hybrids

Test & Measurement

Scientific Instruments

RF/Microwave Circuit

Prototyping

Related Products



[HMC3653LP3BE](#)

Analog Devices, Inc
QFN-12



[HMC441LP3E](#)

Analog Devices, Inc
QFN-16



[HMC253AQS24](#)

Analog Devices, Inc
24-SSOP (0.154, 3.90mm Width)



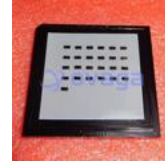
[HMC948LP3E](#)

Analog Devices, Inc
LP3



[HMC358MS8GE](#)

Analog Devices, Inc
MSOP-8



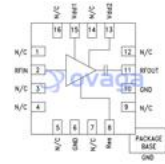
[HMC490](#)

Analog Devices, Inc
SMD



[HMC453ST89E](#)

Analog Devices, Inc
ST89E



[HMC618ALP3E](#)

Analog Devices, Inc
QFN-16