
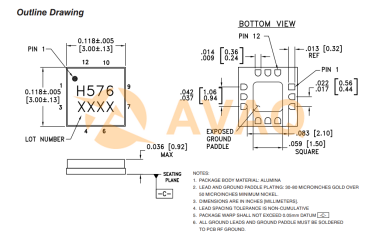


Active RF Multipliers x2 18GHz to 29GHz-OUT 12-Pin CLLCC EP Cut Tape

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



Images are for reference only

[Inquiry](#)

General Description

The HMC576LC3B is a x2 active broadband frequency multiplier utilizing GaAs PHEMT technology in a leadless RoHS compliant SMT package. When driven by a +3 dBm signal, the multiplier provides +15 dBm typical output power from 18 to 29 GHz. The Fo and 3Fo isolations are >20 dBc at 24 GHz. The HMC576LC3B is ideal for use in LO multiplier chains for Pt to Pt & VSAT Radios yielding reduced parts count vs. traditional approaches. The low additive SSB Phase Noise of -132 dBc/Hz at 100 kHz offset helps maintain good system noise performance. The RoHS packaged HMC576LC3B eliminates the need for wire bonding, and allows the use of surface mount manufacturing techniques.

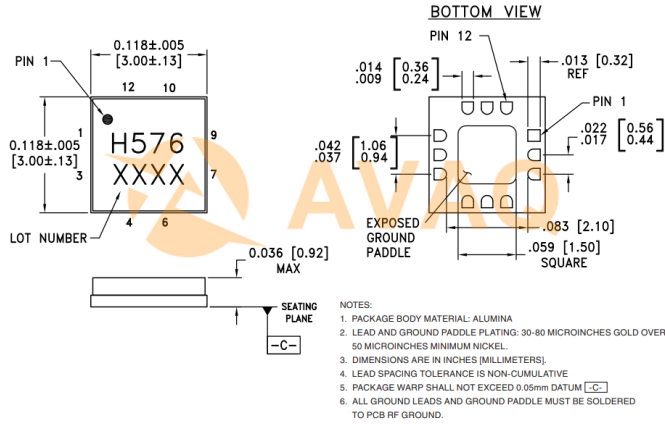
Key Features

- High Output Power: +15 dBm
- Low Input Power Drive: 0 to +6 dBm
- Fo Isolation: >20 dBc @>
- 100 kHz SSB Phase Noise: -132 dBc/Hz
- Single Supply: +5V @ 82 mA
- RoHS Compliant 3x3 mm SMT Package

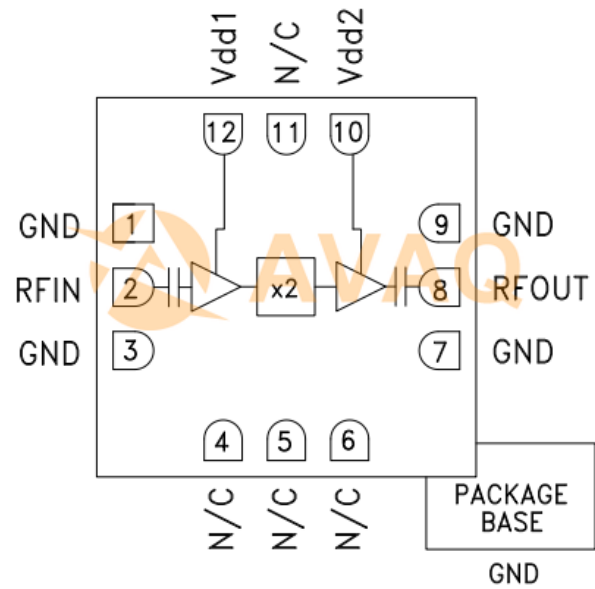
Application

- Clock Generation Applications:SONET OC-192 & SDH STM-64
- Point-to-Point & VSAT Radios
- Test Instrumentation
- Military & Space

Outline Drawing



Functional Diagram



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

HMC662LP3E

Analog Devices, Inc
 QFN

HMC8038LP4CE

Analog Devices, Inc
 QFN16

HMC363S8G

Analog Devices, Inc
 SOP8