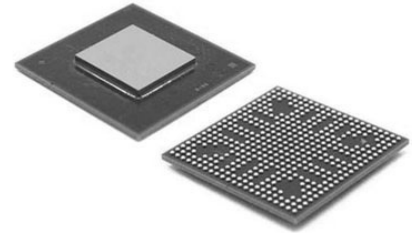


7 GHz to 16 GHz, Tunable Band-Pass Filter

Manufacturers	Analog Devices, Inc
Package/Case	40-Lead LFCSP (6mm x 6mm)
Product Type	RF Integrated Circuits
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ADMV8416ACPZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADMV8416 is a monolithic microwave integrated circuit (MMIC), tunable band-pass filter that features a user selectable pass-band frequency. The 3 dB filter bandwidth is approximately 15% of the center frequency (fCENTER), and the 20 dB filter bandwidth is 37%. Additionally, fCENTER can be varied between 7 GHz to 16 GHz by applying an analog fCENTER tuning voltage between 0 V to 15 V. This tunable filter can be used as a much smaller alternative to large switched filter banks and cavity tuned filters. The filter has excellent microphonics due to the monolithic design and provides a dynamically adjustable solution.

Features

Amplitude settling: 200 ns typical

Wideband rejection: ≥ 20 dB

Single chip implementation

40-lead, 6 mm \times 6 mm, RoHS compliant LFCSP

Application

Test and measurement equipment

Military radar and electronic warfare (EW) systems

Video satellite (VSAT) communications

Related Products



[ADL5330ACPZ](#)

Analog Devices, Inc
LFCSP24



[ADL5240ACPZ-R7](#)

Analog Devices, Inc
LFCSP-32



[AD630SD](#)

Analog Devices, Inc
20 ld Side-BrazedCerDIP



[ADRF5040BCPZ](#)

Analog Devices, Inc
HIGH ISOLATION, SP4T, 9KHZ - 12G



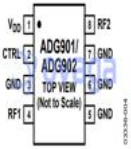
[AD607ARSZ-REEL](#)

Analog Devices, Inc
SSOP-20



[AD831AP](#)

Analog Devices, Inc
20 ld PLCC



[ADG901BRM](#)

Analog Devices, Inc
MSOP-8



[ADL5350ACPZ](#)

Analog Devices, Inc
LFCSP-8