

## 4DSP FMC230 Dual Channel DAC FMC Module



### Listing details

Reference Number: RF140595

#### Common

Price: \$ 2,745.00  
Country: United States  
Description:

4DSP FMC230 Dual Channel DAC FMC Module

Manufacturer Part #: AES-FMC-4DSP230-G

Alternate Part #: AES-FMC-4DSP230-G

The FMC230 is a dual channel DAC FMC with a very wide band. The two 14-bit D/A channels operate at 5.7Gsps (2.85Gsps direct RF synthesis) and are clocked by either an internal clock source (optionally locked to an external reference) or an externally supplied sample clock.

In addition, a trigger input for customized sampling control is available to users. The FMC230 daughter card is mechanically and electrically compliant to the FMC standard (ANSI/VITA 57.1).

The FMC230 has a high-pin count connector, front panel I/O, and can be used in a conduction cooled environment.

The design is based on Analog Devices' AD9129 single channel 14-bit 5.7Gsps Digital-to-Analog converter.

The analog signals are AC coupled connecting to MMCX or SSMC coax connectors on the front panel.

The FMC230 allows flexible control on clock source and D/A features through serial communication busses. Furthermore the card is equipped with power supply and temperature monitoring and offers several power-down modes to switch off unused functions in order to reduce system level power consumption.

#### Key Features

DAC Update Rate of up to 5.6 GSPS Direct RF Synthesis @ 2.8 GSPS Data Rate DC-to-1.4 GHz in Baseband Mode DC-to-1.0 GHz in 2x Interpolation Mode 1.4 to 4.2 GHz in Mix-Mode Bypassable 2x Interpolation Excellent Dynamic performance Supports DOCSIS 3.0 wideband ACLR/Harmonic Performance 8 QAM carriers: ACLR>65 dBc.

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7 years ago

