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Find the *Curtiss-Wright / Pentland Systems VGD4/P2/96* at our website: ***Click HERE***

VGD12

VGD12

User Manual Data Sheet

Features:

- 8 Analog Input Channels, 14-bit resolution
- 10 MSPS/Channel (4 Channels), 5MSPS/Channel (8 Channels), software selectable
- -80dB Channel Crosstalk for Off to On Channel @1KHz
- 10ps Conversion Jitter (trigger to Channel)
- Sync. Input signals for acquisition control

The VGD12 provides up to 8 analog input channels with simultaneous sampling capability with a total throughput of 40 MSPS is ideal for multi-channel high-speed applications. Each VGD12 can be software configured for speeds up to 10 MSPS on 4 channels, or 5 MSPS on 8 channels. VGD12 has an impressive pedigree in meeting challenging military and aerospace test applications, which demand rapid and simultaneous sampling which remain synchronous throughout the data collection phase.

The VGD12 is an extremely versatile solution to an evolving test system. The solution is easily scalable by adding further modules as additional sensors are added to the test system.

SPECIFICATION

INPUT

Channel Count	8/4 Channels single ended, simultaneous – Software Selectable
Sample Rate	5/10 MSPS per Channel, (for 8/4 channels respectively) – software selectable
Resolution	±10V
Input Ranges	±20V Power Off/On without damage
Maximum input range without damage	>12.8kOhm
Input Capacitance	±0.06% (2.5 LSBs) with calibration
Input Capacitance	<50pF
Input impedance	<45nS
Monotonicity	Guaranteed over temperature
Channel Crosstalk	-80dB for Off to On Channel @ 1kHz
Conversion Jitter	(trigger to channel), 10pS

	Typical	Minimum
Accuracy		12 ENOB
SFDR	72.2 dBc	69.3 dBc
SINAD	76 dB	73 dB
THD	-80 dB	-77 dB
SNR	76.5 dB	75 dB

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