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M395
16 Channel DAC Common Mode M Module

The M395 common mode DAC provides 16 channels of 12 bit or 16 bit conversion. Output voltage ranges may be unipolar or bipolar. The hosting system has full control by accessing dual ported memory. Each channel has its own conversion register and all channels are updated simultaneously. Output channels are optically isolated from the system.

Specifications:

General Characteristics:

Resolution:	12 bit or 16 bit
Accuracy:	0.4%
Output Response Time:	10µsec. (typical)
Accessibility:	Single write to dual ported memory

Dual Ported Data Memory

Optically Isolated Analog Section

Calibration Data Stored Onboard

Temperature:

Operating:	0°C to 60°C
Storage:	-20°C to 70°C

Power: +5V @ 0.85 A with DC/DC
+5V @ 0.25 A w/o DC/DC

Software Programmable Voltage Output Ranges:

Unipolar:	0 to 10 V
Bipolar:	+/-10 V

All enabled channels may be updated simultaneously after the data registers are refreshed

Connector: 25 pin DSUB (Female)

Configuration Options

12 bit w/o DC/DC	n=1
12 with DC/DC	n=2
16 bit w/o DC/DC	n=3
16 bit with DC/DC	n=4

M Module Compliance

Complies with ANSI/VITA Std 12-1996 for single-wide M Modules.

Data Transfers	16 bit
Interrupts	INTA
IDENT Implemented	

Compatible with VXI, VME, PCI, PXI, CPCI & Ethernet Carriers

Applications

- Analog signal generation
- Analog control

Ordering Information

Part Number 11029650-000n
Where n is defined in the table at left

Additional Information

User Manuals for C&H carriers and this module can be found on our website at www.chtech.com.