



## M206 Pulse Amplifier

The M206 is a programmable pulse amplifier that accepts a fixed level input pulse and provides dual complementary switched outputs. The module produces a total of four outputs. Two outputs have the same active-level as the input pulse and two outputs have the complement level of the input pulse. The output level is programmable up to 30V into no load (up to 15V into a 50Ω load). An external +36V supply is required. An external power interlock and a pulse interlock are provided.

### Specifications:

#### Outputs:

Two true (A & B) and two complement (A & B) outputs

**Frequency:** 20MHz max.

**Input:** TTL

#### Output Amplitude:

$R_{LOAD} = 50\Omega$  +0.21V to +15V

$R_{LOAD} = \infty$  +0.42V to +30V

#### Output Current:

Source 300mA

Sink 100mA

**Output Impedance:** 50Ω

#### Programming Resolution:

10V range 2.50mV

30V range 7.50mV

**Accuracy:** ±0.75% ±75mV

#### Rise/Fall Time:

30V,  $R_{LOAD} = \infty$  30ns

#### Inputs/Outputs:

- Pulse Input
- True Output A
- True Output B
- Complement Output A
- Complement Output B
- External Power (+36V)
- External Power Interlock
- Pulse Interlock

#### External Power:

36V 2A supply required

#### Front Panel Connectors:

Pulse Input/Outputs SMA

Ext. Pwr. & Interlocks 9-pin DSUB

#### Temperature:

Operating: 0°C to 50°C

Storage: -40°C to 70°C

#### Power (typical):

+5V 150 mA

+12V 300 mA

-12V 100 mA

Ext. +36V 1.0 A

### M Module Compliance

Complies with ANSI/VITA Std. 12-1996 for triple-wide MA Modules

Data Transfers: 16 bit

Interrupts: not supported

Triggers: not supported

Compatible with VXI, VME, PCI, cPCI and other M Module carriers.

### Applications

- Pulse amplification
- Pulse level shifting

### Ordering Information

Part Number 11028470-0001

### Additional Information

User Manuals for C&H carriers and this module can be found on our website at [www.chtech.com](http://www.chtech.com).