



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.