

Pulse Amplifier Model M206

This product is manufactured by C&H Technologies, Inc. and exclusively distributed by Racal Instruments, Inc.

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 30 V into no load (up to 15 V into a 50 Ω load). An external +36 V 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

20 MHz max

Input

TTL

Output Amplitude

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

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

Output Current

Source
300 mA

Sink
100 mA

Output Impedance

50 Ω

Programming Resolution

10 V range

2.50 mV

30 V range

7.50 mV

Accuracy

$\pm 0.75\% \pm 75 \text{ mV}$

Rise/Fall Time

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

30 ns

Inputs/Outputs

Pulse input
True output A
True output B
Complement output A
Complement output B
External power (+36 V)
External power interlock
Pulse interlock

External Power

36 V 2 A supply required

Front Panel Connectors

Pulse Input/Outputs
SMA
Ext. Pwr and Interlocks
9-pin DSUB

Temperature

Operating
0°C to 50°C

Storage
-40°C to 70°C

Power (typical)

+5 V

150 mA

+12 V

300 mA

-12 V

100 mA

Ext. +36 V

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