



M205 Pulse Amplifier

The M205 is a programmable pulse amplifier that accepts a fixed level input pulse and provides a variable level output. The output level is programmable up to 25V into a 50Ω load (50V into no load). The output pulse can be either positive or negative with respect to chassis (connector) ground. An isolated external 36V supply is required. An external power interlock signal is provided for control of the external power supply.

Specifications:

Number of Channels:	1	Inputs/Outputs:	<ul style="list-style-type: none"> • Pulse Input • Pulse Output • External Power • External Power Interlock
Frequency:	20MHz max.	Front Panel Connectors:	Pulse Input/Output SMA Ext. Pwr. & Interlock 9-pin DSUB
Input:	TTL	External Power:	36V 2A isolated supply required (200V minimum isolation)
Output Impedance:	50Ω	Temperature:	Operating: 0°C to 50°C Storage: -40°C to 70°C
Output Amplitude (into 50Ω):		Power (typical):	
Positive	0V to +25V	+5V	160 mA
Negative	0V to -25V	+12V	600 mA
		-12V	not used
		Ext. 36V Isolated	1.5 A
Programming Resolution:			
0.10 to 2.5V range	0.625 mV		
0.42 to 10V range	2.50 mV		
1.25 to 30V range	7.50mV		
Accuracy:			
0.10 to 2.5V range	+/-124mV		
0.42 to 10V range	+/-495mV		
1.25 to 30V range	+/-1.24V		
Rise/Fall Time:			
R _L = 50Ω (≤20V or ≤1MHz)	30ns		
R _L = 50Ω (>20V and >1MHz)	40ns		

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 11028440-0001

Additional Information

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