

PRODUCT DESCRIPTION

The 4057D is a user programmable pulse multiplier capable of multiplying by a decimal value up to three decimal places (e.g. X.xxx). The multiplier value is quickly selected via a backlit LCD screen and push-button dial.

Models are available for inputs from magnetic VRS, RF, digital amplified pickups, proximity sensors/switches, and other square wave sources. Removable terminal blocks can be factory configured for back panel or control panel mounting.

SPECIFICATIONS

Vs, Supply Voltage:	12-30 VDC (Standard Models)	
Is, Supply Current:	75 - 120 mA	
Input Type/Sensitivity:	VRS (Mag): 5, 12, 30, 50 or 100mVpp RF: 4 or 10 Ohms Digital: CMOS, TTL, 0-30V, PNP	
Frequency Input Range:	VRS (Mag): RF: Digital: (*Depending	3 Hz to ~35 KHz* 0.5 Hz to ~7 KHz 0.3 Hz to ~80 KHz on signal strength)
Max. Frequency Output:	80 KHz	
Digital Output Options:	NPN: 0-5V (TTL), 0-10V, 0-12V, 0-Vs, or 0-Vs OC PNP: 0-Vs Zero Crossing: +8.5V to -8.5V	
Multiplier Range*:	0.001 to 100 (0.001 increments) (only up to 80 kHz max frequency)	

*NOTE:

Not suitable for timing or synchronization applications with current Revision D Firmware. This is due to repeatability limitations with pulse width fluctuations from regular VRS/Mag, Hall Effect, and Digital sensors. Revision E Firmware is in development. Please contact factory.

Operating Temp. Range:	-20° to 75°C (-4° to 167°F) with Vs=12V -20° to 55°C (-4° to 131°F) with Vs=30V
Terminal Connections:	See Page 2

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