ELECTRO-OPTICAL PRODUCTS CORP.
P.O. BOX 650441 . FRESH MEADOWS, NY 11365 . TEL: (718) 456-6000 . FAX: (718) 456-6050 . www.EOPC.com

DRIVE ELECTRONICS TYPE ED DRIVER

DESCRIPTION:

The open loop ED driver is configured to operate a broad range of resonant optical scanners and resonant optical choppers at their natural frequency. The ED driver amplifies the pickup coil signal from the resonant device and returns the amplified signal the drive coil. This positive feedback loop is controlled by the amplitude limiting trim pot. The ED driver also provides monitor output signal:

- Square wave reference output signal
- Amplitude control: adjustable over a range of 5:1 min.

CONFIGURATION:

The ED type driver is available as:

A board level driver requiring an external 12V to 15V dc power supply is available in the following configurations:

Model ED-M: A PC board mounted on standoffs

Model ED-P: A PC board used as a plug-in assembly

Model ED-110/220: A cased driver, 3.25"x2.12"x1.12", operating from a line voltage of 110V ac or 220V ac (ED-110 or ED-220).

SPECIFICATIONS:

Input power: 12V to 15V dc, 150 mA Max.

Frequency range: 5 Hz to 20 kHz

Monitor output: A square wave reference output signal at J3 pin 1 (ED-110/220: pin M)

Amplitude control: Adjustable over a range of 5:1 Min.

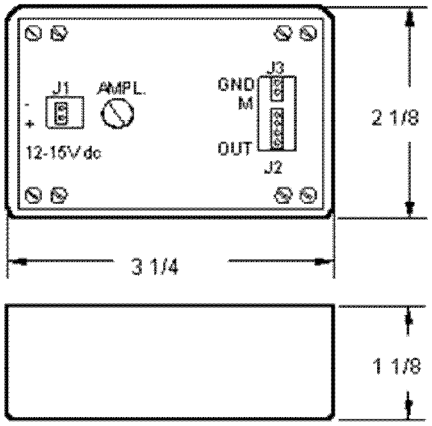
Connectors: J1-Molex, power in P/N 22-23-2021

J2-Molex, I/O: P/N 22-23-2041

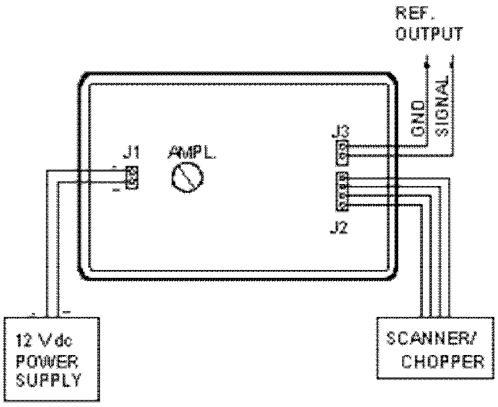
J3-Molex, monitor P/N 22-23-2021

DRIVE ELECTRONICS TYPE ED-110/220

DIMENSIONS:

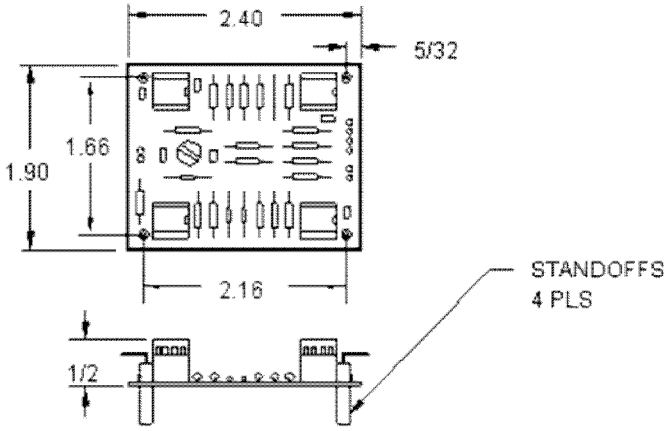


HOOK UP DIAGRAM:



DRIVE ELECTRONICS TYPE ED-M

DIMENSIONS:



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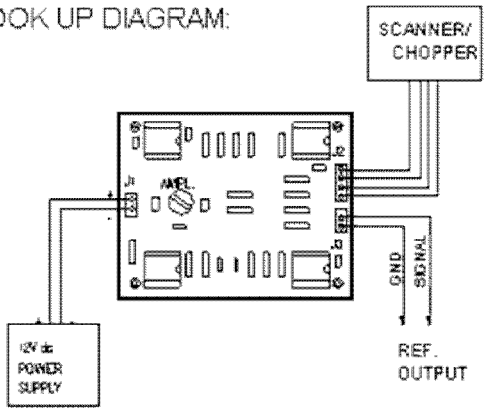
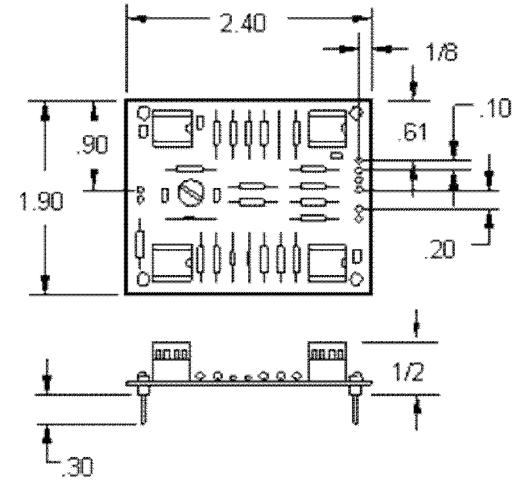
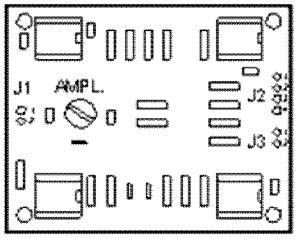


DRIVE ELECTRONICS TYPE ED-P

DIMENSIONS:



PINOUTS:



CONNECTOR J1	CONNECTOR J2	CONNECTOR J3
1 +12 V dc	1 DRIVE (G)	1 MONITOR
2 GND	2 P.U. (W)	2 GND
	3 P.U. RETURN (B)	
	4 DRIVE RETURN (R)	

DIMENSIONS ARE IN INCHES

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