

Optical Encoder

Series 62A, V, D

Compact, 1/2" Package



FEATURES

- Low Cost
- Long Life
- Available in 3.3 or 5.0 Vdc Operating Voltages
- High Torque Version to Emphasize Rotational Feel
- Economical Size
- Optically Coupled for More than a Million Cycles
- Optional Integral Pushbutton
- Compatible with CMOS, TTL and HCMOS Logic
- Available in 12, 16, 20, 24 and 32 Detent Positions (Non-detent Also Available)
- Choices of Cable Length and Terminations

APPLICATIONS

- Global Positioning/Driver Information Systems
- Medical Equipment



DIMENSIONS In inches (and millimeters)



DIMENSIONS In inches (and millimeters)

Pin Version



Unless otherwise specified, standard tolerance is ±.010 (0.25)

CIRCUITRY, TRUTH TABLE, AND WAVEFORM Standard Quadrature 2-Bit Code

Standard 5.0 Volt (Styles A and D)



* External pull-up resistors required for operation (2.2 kΩ).

| Clockwise Rotation | | |
|--------------------|----------|----------|
| Position | Output A | Output B |
| 1 | | |
| 2 | ● | |
| 3 | ● | ● |
| 4 | | ● |

● Indicates logic high; blank indicates logic low. Code repeats every 4 positions.

3.3 Volt (Style V only)



* External pull-up resistors required for operation (2.2k Ω)

