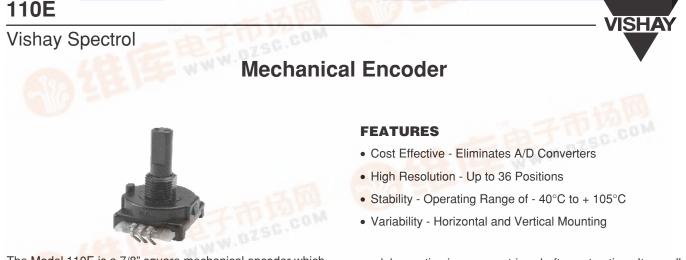
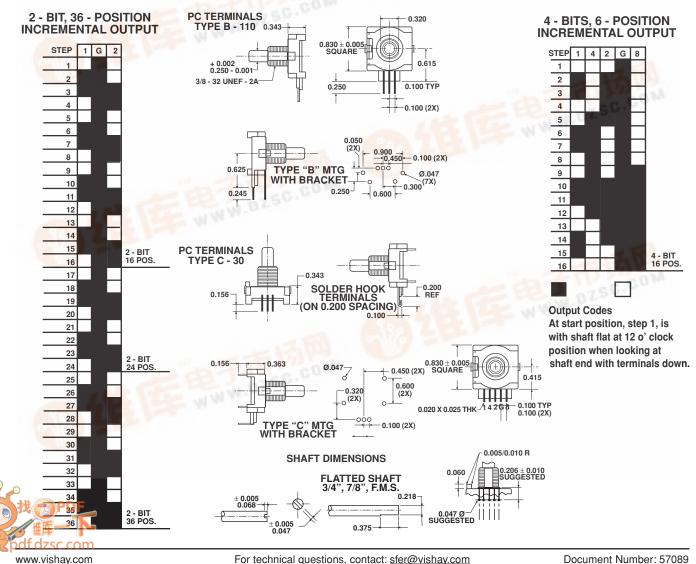
查询110E供应商





The Model 110E is a 7/8" square mechanical encoder which provides a 2 - bit grey code for relative reference and a 4 - bit grey code for absolute reference applications. Manually operated it has a rotational life of 100,000 shaft revolutions, a positive dentent feel and can be combined with a second modular section in a concentric - shaft construction. Its small size makes it suitable for panel-mounted applications where the need for costly front - panel displays can be completely WWW.DZSC.COM eliminated.

### **DIMENSIONS** in inches



For technical questions, contact: sfer@vishay.com



## Mechanical Encoder

ELECTRICAL SPECIFICATIONS					
Output	<ul> <li>2 - bit grey code, channel L leads channel R by 90</li> <li>degrees electrically in the CW direction</li> <li>4 bi - grey code, absolute electrical position output</li> </ul>				
Closed Circuit Resistance	5Ω maximum				
Open Circuit Resistance	100KΩ minimum				
Contact Rating	Resistance load 250mA at 28VDC				
Switching Loads	1.5mA at 115VDC 150mA at 14VDC				
Bounce	5ms/cycle at 15 RPM				
Dielectric Withstanding Voltage	1000VAC at sea level				
Electrical Travel	Continuous				
Operating Speed	50 RPM maximum				

MECHANICAL SPECIFICATIONS						
Rotational Torque	3.5 oz - in (2.16 - 3.60 Ncm)					
Mechanical Travel	Continuous					
Panel Mounting Torque	7 lbs - in (1.13 Nm) maximum					
Shaft Load Force	10 lbs - in (1.13 Nm) maximum					
Shaft Pull Force	10 lbs - in maximum					
Terminals	Standard PC style, 3 terminals on 0.100" (2.54mm) grid - in - line perpendicular or parallel to shaft. Solder hook available on 0.200" grid					
Molded Construction	Molding compound used for housing/bushing and shaft has a UL94V - 2 rating					
Rotational Life	100,000 detented cycles at rated load typical (1 cycle = 720 degrees)					

## **ENVIRONMENTAL SPECIFICATIONS**

Temperature Range	- 40°C to + 105°C (Operating temperature) - 55°C to + 120°C (Storage temperature)
Humidity	Per MIL-STD 202, Method 106C Insulation resistance shall be 1 M $\Omega$ maximum of a relative humidity 90% @ 25°C
Shock	Per MIL-STD 202, Method 213, Test Condition G consisting of 1 MIL-STD

### PACKAGING

Box of 50 pieces

ORDERING INFORMATION								
110E MODEL	1	<b>A</b> BUSHING	<b>48</b> SINGLE SHAFT FMS CODED IN 64ths	F	204P 2-4 - BIT GREY CODE OPTIONS	Ρ		
110E	1 = at 9'0 clock 0 = None	A = 3/8 (9.53mm) dia x 1/4 (6.35mm) long G = 3/8 (9.53mm) dia x 3/8 (9.53mm) long	48 = 0.750" 56 = 0.875"	S: Slotted F: Flatted	204P = 4 cycles/rev 16 detents/rev 206P = 6 cycles/rev 24 detents/rev 209P = 9 cycles/rev 36 detents/rev 416P = 16 electrical positions/rev 16 detents/rev	B: PC terminals straight (horizontal mount) C: PC terminals bent back (vertical mount) Type C - 30 P: Type B with mounting bracket D: Type C with mounting bracket S: Solder Hook Hardware not included		
SAP PART NUMBERING GUIDELINES								
	1 0 MODEL		H F P [ AFT LEADS	2 0 CODE	4 P B	2 5		

See the end of this data book for conversion tables



Vishay

# Notice

Specifications of the products displayed herein are subject to change without notice. Vishay Intertechnology, Inc., or anyone on its behalf, assumes no responsibility or liability for any errors or inaccuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document. Except as provided in Vishay's terms and conditions of sale for such products, Vishay assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of Vishay products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Vishay for any damages resulting from such improper use or sale.