

[查询"110HBKT"供应商](#)

Commercial Mechanical Encoders

Model 110

NEW



FEATURES:

- Cost Effective**
 - Eliminates A/D converters
- High Resolution**
 - Up to 36 positions
- Stability**
 - Operating range of -40C to +105C
- Variability**
 - Horizontal and vertical mounting

Electrical

OUTPUT:
2-bit grey code, channel L leads channel R by 90 deg electrically in the CW direction. 4-bit grey code, absolute electrical position output.

CLOSED CIRCUIT RESISTANCE:
5 ohms maximum

OPEN CIRCUIT RESISTANCE:
100K ohm minimum

CONTACT RATING:
Resistance load 250mA
@ 28Vdc maximum

SWITCHING LOADS:
1.5mA @ 115 Vac
150mA @ 14Vdc

BOUNCE (Jitter):
5 ms/cycle @ 15 RPM

DIELECTRIC WITHSTANDING VOLTAGE:
1000 Vac @ sea level

ELECTRICAL TRAVEL:
Continuous

OPERATING SPEED:
50 RPM maximum

Mechanical

ROTATIONAL TORQUE:
3-5 oz. in. (2.16 - 3.60 Ncm)

MECHANICAL TRAVEL:
Continuous

PANEL MOUNTING TORQUE:
7 lbs. in. (1.13Nm) maximum

SHAFT LOAD FORCE:
10 lbs. in. (1.13Nm) maximum

SHAFT PULL FORCE:
10 lbs. 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)

Operational

TEMPERATURE RANGE:

Operating temperature: -40 degrees C to +105 degrees C
Storage temperature: -55 degrees C to +120 degrees C

HUMIDITY:

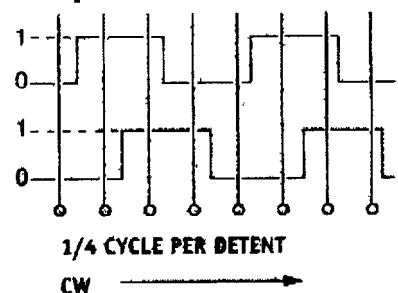
Per MIL-STD. 202, Method 106C:
Insulation resistance shall be 1 Megohm maximum at a relative humidity 90% @ 25 degrees C

SHOCK:

Per MIL-STD 202, Method 213, Test Condition G, consisting of 1 MIL-STD.

Test Procedure A

Output Table



Spectrol Electronics Limited

Garrard Way, Swindon SN3 3HY, UK

Telephone: +44 (0)1793 521351 Fax: +44 (0)1793 525163

E-mail: sales@spectrol.co.uk Web: www.spectrol.com

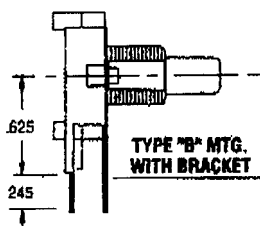
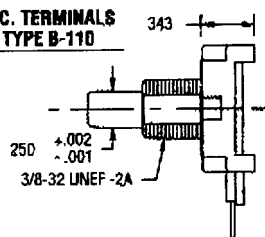
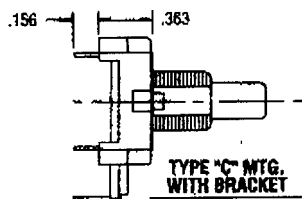
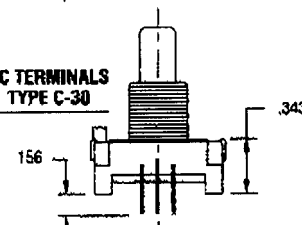
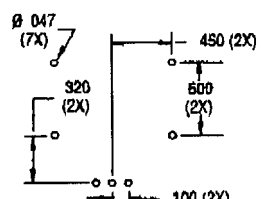
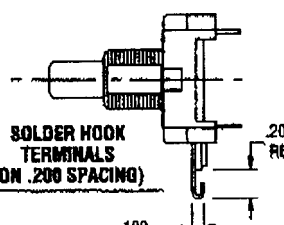
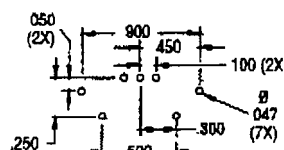
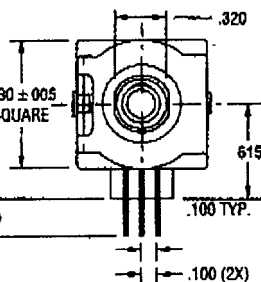
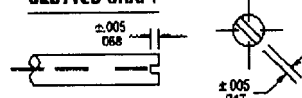
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DIMENSIONS for Series 110**2-Bit, 36-Position Incremental Output**

Step	1	G	2
1			
2			
3			
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5			
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34			
35			
36			

2-bit, 16 pos.

2-bit, 24 pos.

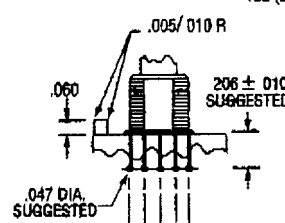
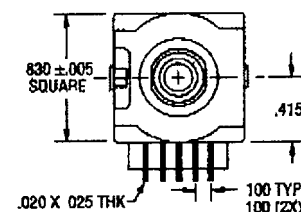
2-bit, 36 pos.

P.C. TERMINALS TYPE B-110**P.C. TERMINALS TYPE C-30****SHAFT DIMENSIONS****SLOTTED SHAFT****4-bit, 6-Position Incremental Output**

Step	1	4	2	G	8
1					
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4					
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32					
33					
34					
35					
36					

4-bit, 16 pos.

■ Closed □ Open

**ORDERING INFORMATION**

When ordering, indicate the desired options as shown in this example:

