

ERD6 SERIES

MINIATURE SIZE □7×3 ROTARY SELECTOR SWITCH

■ FEATURES

- Outer dimension 7.2mm square, 3.0mm high on board.
- Positions and switch code can be identified.
- Pin-out compatible with most of current equivalents.
- Gold plated contact area ensures reliable electric continuity for micro current.
- Surface mounting type can be supplied in embossed taping for automatic packing.
- Easy position setting with wide switching angle and high digit visibility.
- All plastics are UL 94V-0 grade fire retardant.
- RoHS compliant.

■ APPLICATIONS

- Address switching applications
- Data storage devices
- Computer and peripherals
- Instrumentation

■ SPECIFICATIONS

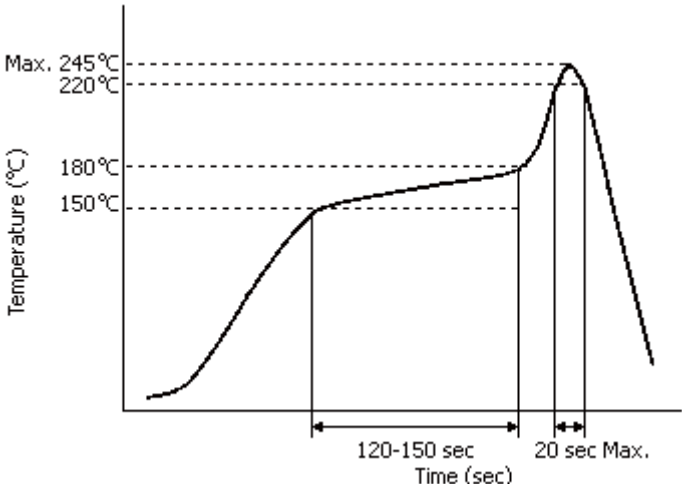
1.ELECTRICAL

● Contact rating	Max. switching load	100mA, 5VDC
	Min. switching load	10μA, 5VDC
● Contact resistance (initial)		100mΩ Max.
● Insulation resistance		100MΩ Min. at 100VDC
● Dielectric strength		250VAC rms. at 60 seconds

2.MECHANICAL and ENVIRONMENTAL

● Temperature rating	operation	-25℃ to +85℃
	storage	-40℃ to +85℃
● Operation force		510gf-cm Max.
● Operation life		10,000 detents Min.
● Vibration		10Hz-50Hz-10Hz for 6Hrs.
● Solderability		After flux 245±5℃ for 5±1 seconds
● Resistance to soldering heat	solder bath	260±5℃ for 5±1 seconds
	solder reflow	Peak temperature 260℃ Max.

3.SOLDERING PROCESS

● Solder iron	Max. 2 sec/350°C
● Reflow soldering heat for SMT & THR type (reference only)	 <p>The graph shows Temperature (°C) on the y-axis and Time (sec) on the x-axis. The temperature profile starts at 150°C, rises to a plateau at 180°C for 120-150 seconds, then rises to a peak at 245°C for 20 seconds maximum, and finally cools down. Dashed horizontal lines indicate temperature levels at 150°C, 180°C, 220°C, and 245°C. Vertical lines and arrows on the x-axis indicate the duration of the 180°C plateau and the 245°C peak.</p>

■ PART NUMBERING SYSTEM

ERD6 04 A S XX Z

Z: RoHS Compliant

Special number:

Setting:

S: Through hole reflow type with row spacing 7.62mm

M: Surface mounting type with gull wing

D: Surface mounting type with gull wing in tape & reel package

C: Surface mounting type with J-hook

E: Surface mounting type with J-hook in tape & reel package

Code:

A: Cross shaped slot

S: Columned spindle

H: Slotted spindle

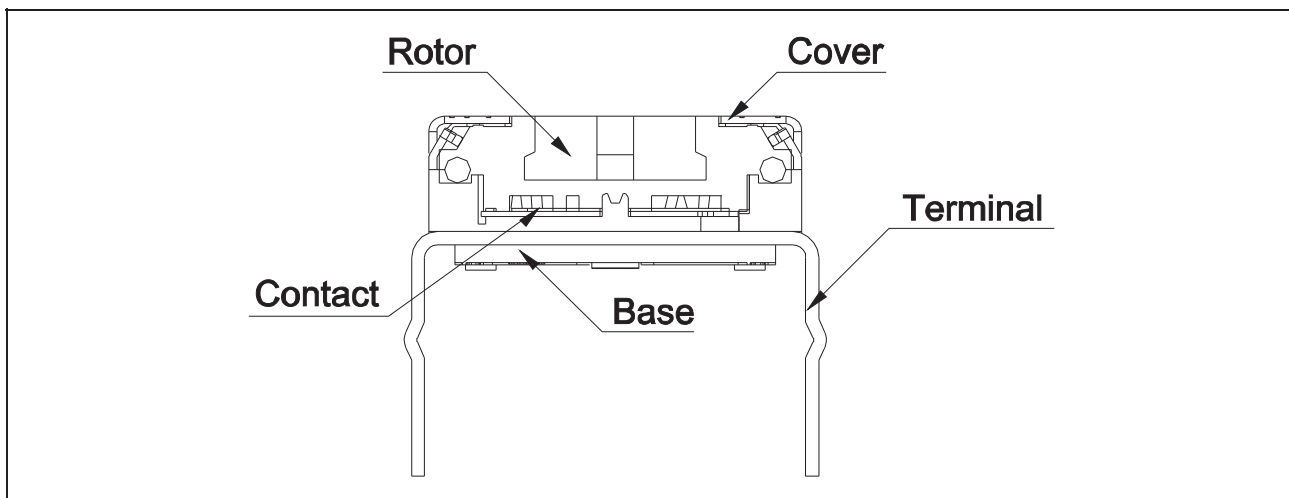
Contact from and Positions:

04: SP4T 4 Positions

Series name:

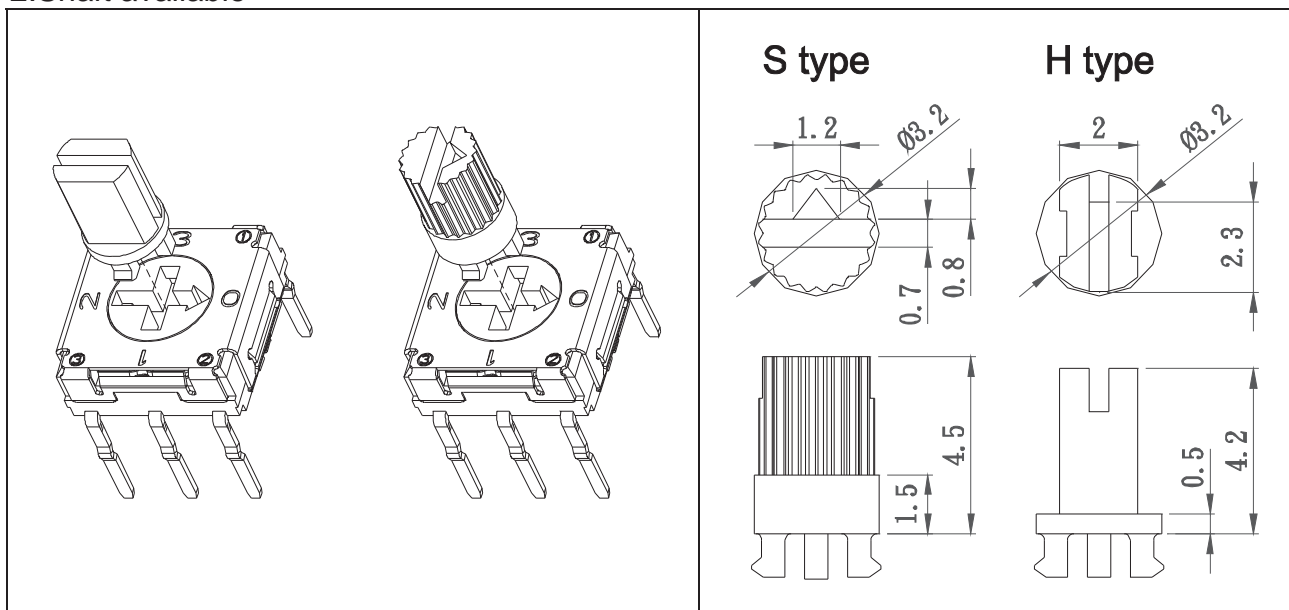
ERD6: Miniature size (7.2×7.2mm²) Rotary Selector Switch

CONSTRUCTION



OPTIONS

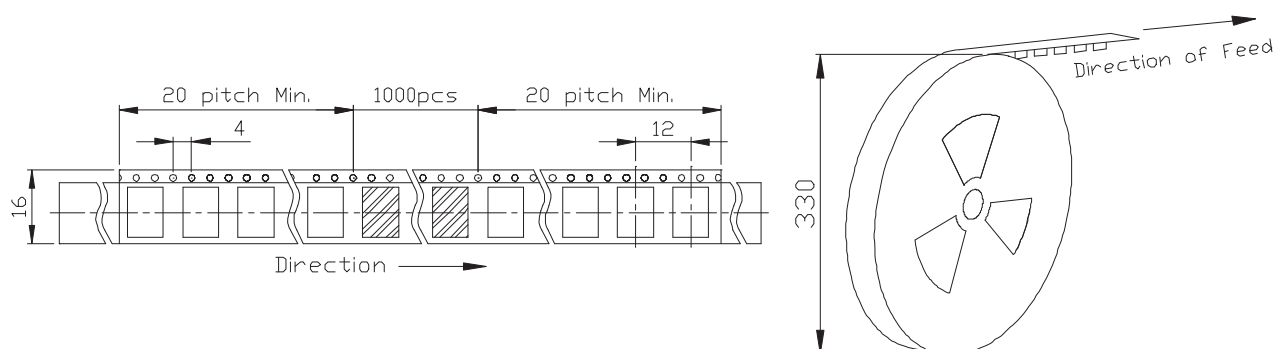
- 1.Special marking available
- 2.Shaft available



PACKING

1. PACKING METHOD

Type	Package	Number of pcs. Per IC Tube	Number of pcs. Per Reel
Through Hole Reflow Type		70	-
Surface Mounting Type		70	1000



QUICK SELECTION GUIDE

SIZE	POSITIONS	CIRCUIT TYPE	SETTING POSITION	PIN OUT	SHAPE OF TERMINAL	PART NUMBER
7x7	4	1 POLE 4 CONTACTS	TOP SETTING	3:3	THR WITH ROW SPACING 7.62mm	ERD604XSZ
					SMT WITH GULL WING	ERD604XMZ
					SMT WITH GULL WING IN T&R	ERD604XDZ
					SMT WITH J-HOOK	ERD604XCZ
					SMT WITH J-HOOK IN T&R	ERD604XEZ

Through hole reflow (THR)



Gull wing (SMT)

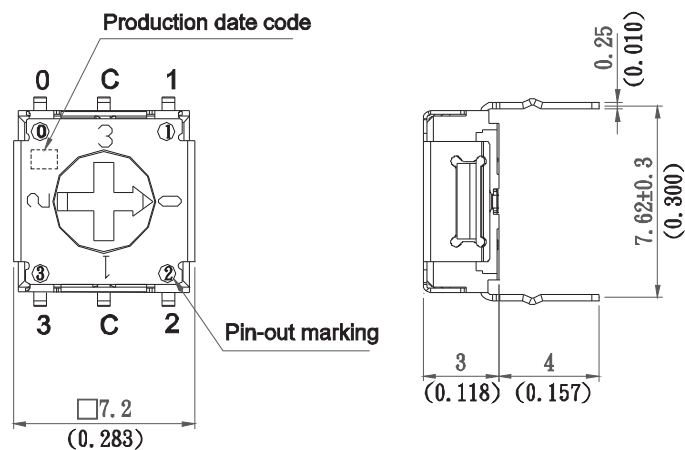


J-Hook (SMT)

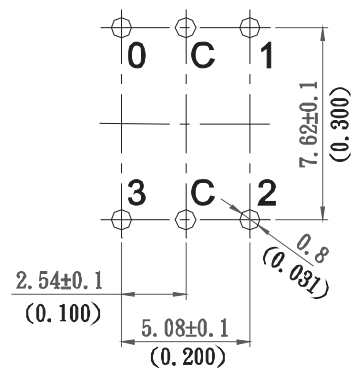


DIMENSIONS AND CIRCUITRY

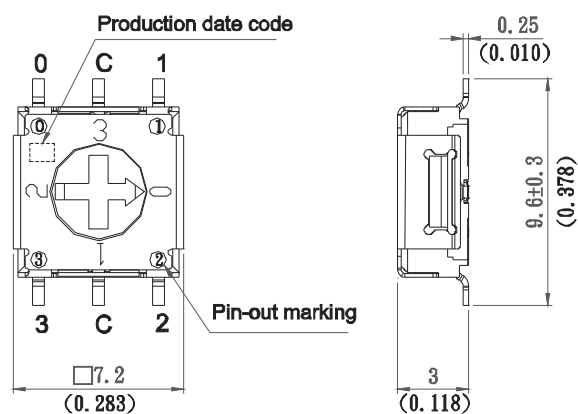
DIMENSIONS Unit:mm(inch) ERD604ASZ SERIES



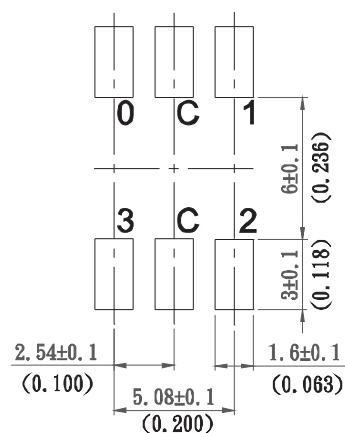
P.C.B LAYOUT



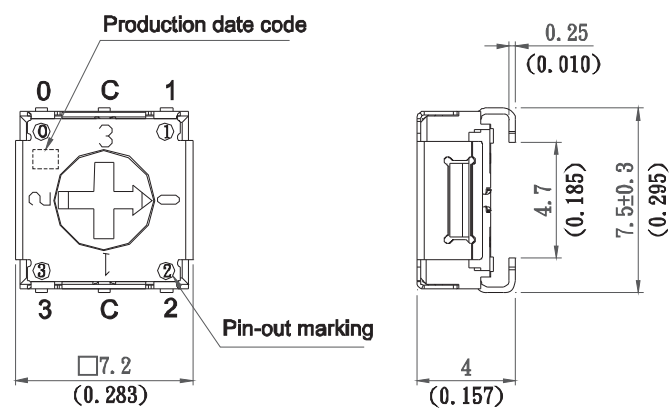
DIMENSIONS Unit:mm(inch) ERD604AMZ SERIES



P.C.B LAYOUT



DIMENSIONS Unit:mm(inch) ERD604ACZ SERIES



P.C.B LAYOUT

