



**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**

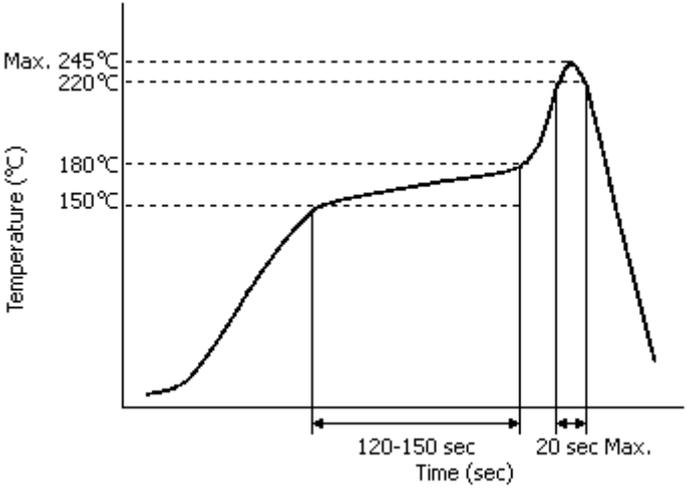
**1.ELECTRICAL**

● 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	

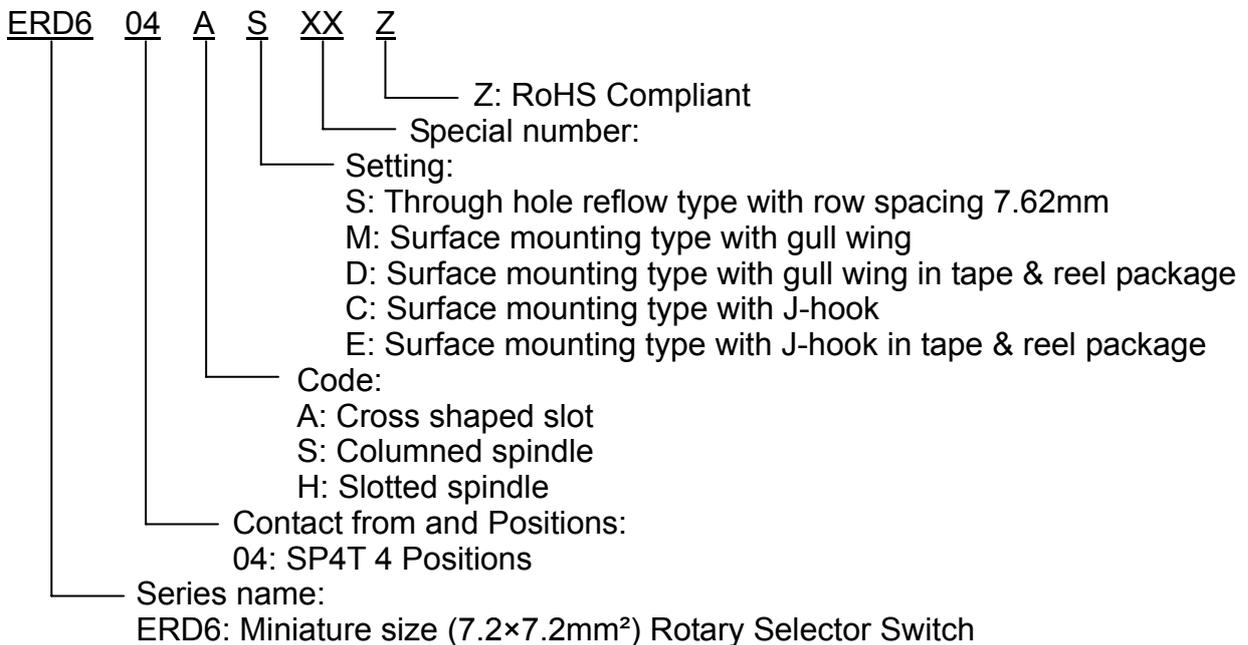
**2.MECHANICAL and ENVIRONMENTAL**

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

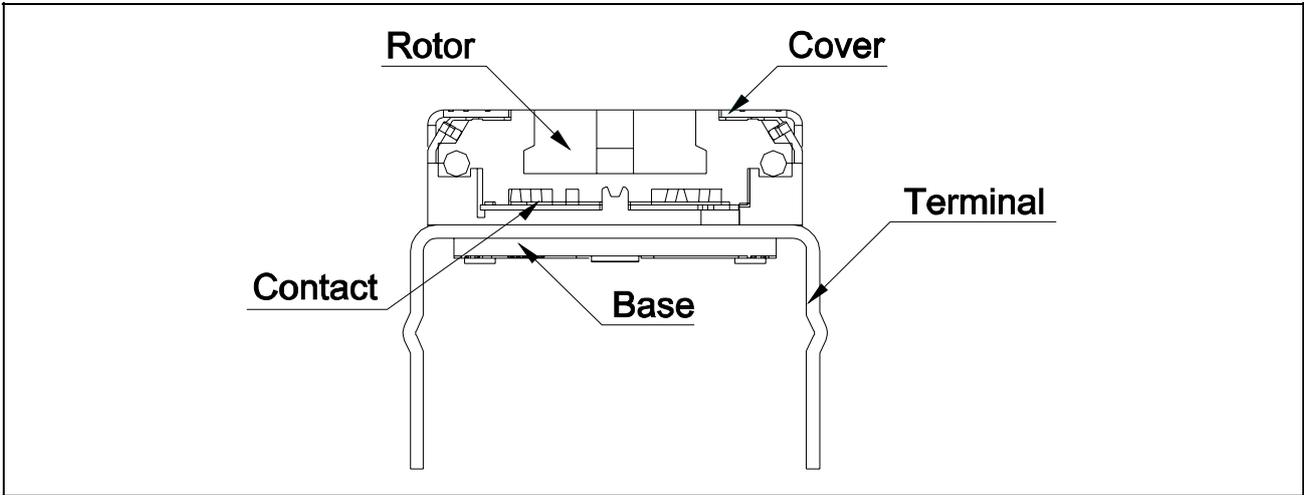
### 3.SOLDERING PROCESS

<ul style="list-style-type: none"> <li>● Solder iron</li> </ul>	Max. 2 sec/350°C
<ul style="list-style-type: none"> <li>● Reflow soldering heat for SMT &amp; THR type (reference only)</li> </ul>	

### ■ PART NUMBERING SYSTEM

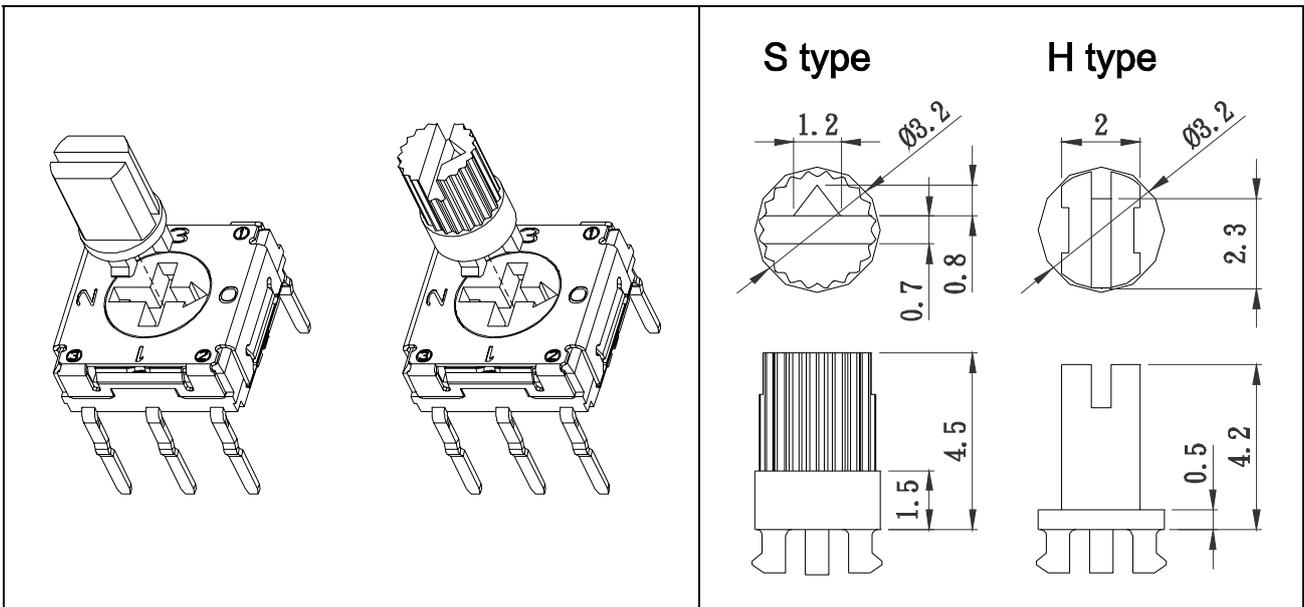


## CONSTRUCTION



## OPTIONS

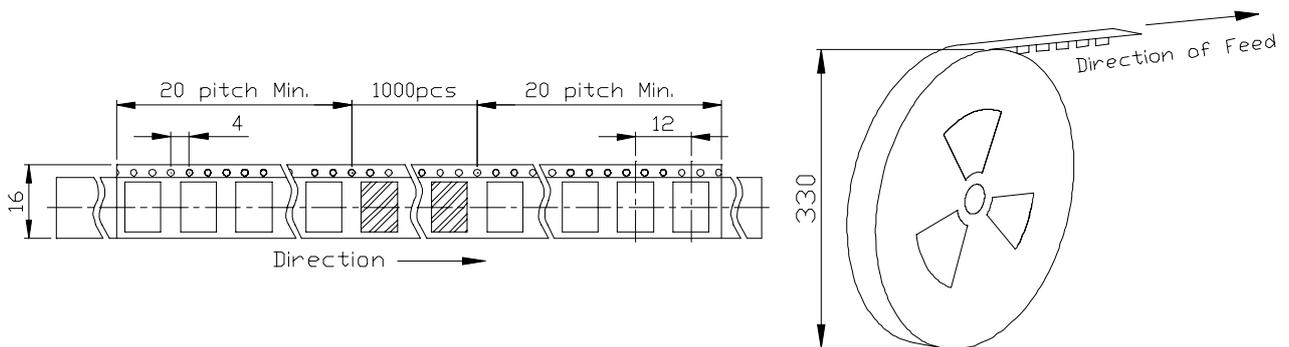
1. Special marking available
2. Shaft available



## PACKING

### 1. PACKING METHOD

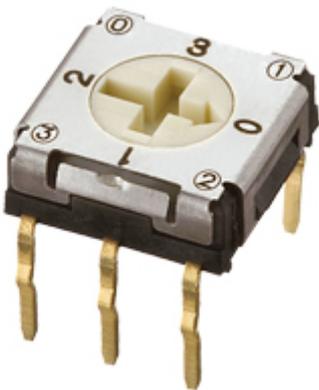
Type	Package	Number of pcs. Per IC Tube	Number of pcs. Per Reel
Through Hole Reflow Type		70	-
Surface Mounting Type		70	1000



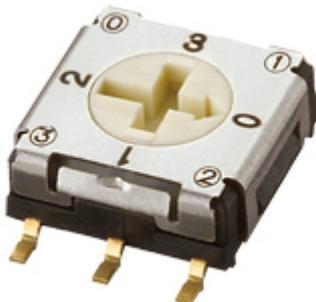
## QUICK SELECTION GUIDE

SIZE	POSITIONS	CIRCUIT TYPE	SETTING POSITION	PIN OUT	SHAPE OF TERMINAL	PART NUMBER
7×7	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)

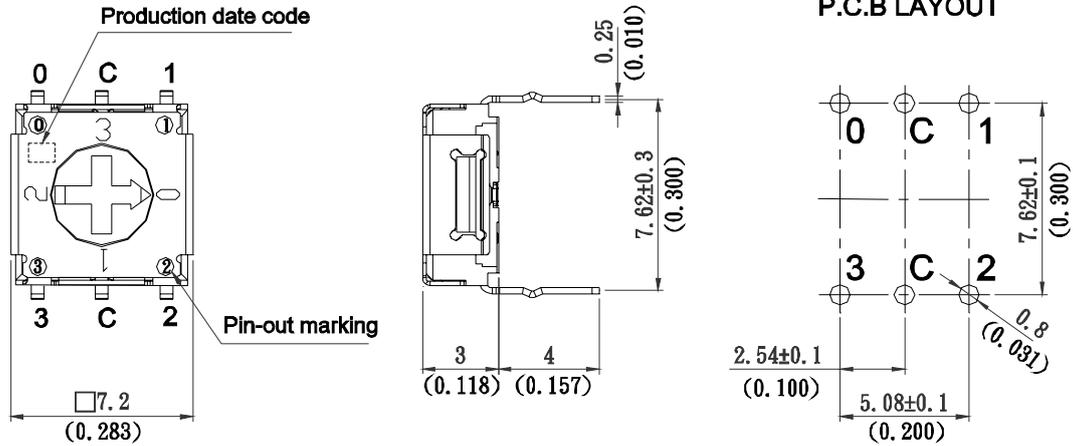


J-Hook (SMT)

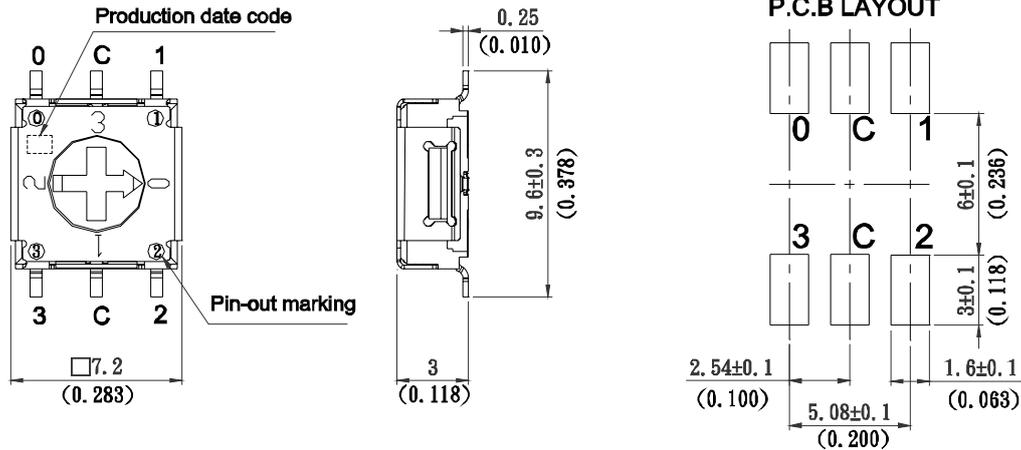


## DIMENSIONS AND CIRCUITRY

### DIMENSIONS Unit:mm(inch) ERD604ASZ SERIES



### DIMENSIONS Unit:mm(inch) ERD604AMZ SERIES



### DIMENSIONS Unit:mm(inch) ERD604ACZ SERIES

