

ERD ROTARY DIP SWITCH

ERD7 SERIES

1. FEATURES:

- 1.1 Low profile of 3.0mm
- 1.2 THR(Through Hole Reflow) version available
- 1.3 Available with spindle or slotted spindle
- 1.4 Supply various switch codes, include Gray code, Real code and Complement code
- 1.5 Gold plated contact area ensures reliable electric continuity for micro current
- 1.6 Surface mounting type can be supplied in embossed taping for automatic packing
- 1.7 Pin-out compatible with most of current equivalents
- 1.8 All plastics are UL 94V-0 grade fire retardant
- 1.9 RoHS compliant

2. SPECIFICATIONS :

2.1 Electrical

- | | |
|---------------------------------|--------------------------------|
| 1. Max. Switching Load | 100 mA, 5 VDC |
| 2. Min. Switching Load | 10 μ A, 5 VDC |
| 3. Contact resistance (initial) | 200 m Ω Max. |
| 4. Insulation resistance | 100 M Ω Min. at 100 VDC |
| 5. Dielectric Strength | 250 VAC rms. for 60 seconds |

2.2 Mechanical and Environmental

- | | |
|---------------------------------|--|
| 1. Temperature Rating | |
| Operating | -25°C to +70°C |
| Storage | -25°C to +85°C |
| 2. Operating force | 510gf-cm Max. |
| 3. Operation life | 10,000 detents Min. |
| 4. Vibration | 10Hz-50Hz-10Hz for 6Hrs. |
| 5. Solderability | After flux 245 \pm 5°C for 5 \pm 1 seconds |
| 6. Resistance to soldering heat | |
| for Through Hole Type | 260 \pm 5°C for 5 \pm 1 seconds |

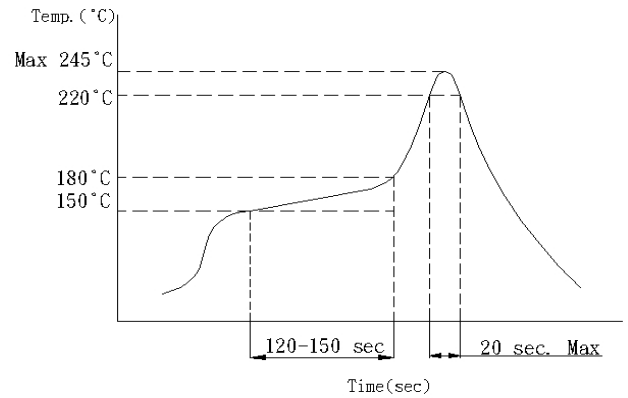
SPECIFICATION

7. Reflow soldering heat for SMT, THR type

Reflow conditions: 220°C, 20 seconds or less,

Peak temperature 245°C or less.

(reference only)



3. OPTIONS :

3.1 Special marking available.

3.2 Tape & Reel Packing (Flat type only & per EIA STANDARD)

3.3 Shaft available. (For Cross shaped slot type only)

4. PACKING :

4.1 PACKING METHOD

Type	Package	Number of pcs. per IC tube	Number of pcs. per Reel
	Top Adjust Type	70	1000
	Side Adjust Type	70	500

4.2 INFORMATION ON LABEL (stuck to each bundle of IC tubes)

(1) DESCRIPTION

(5) ECE MACK

(2) LOT NO.

(6) QC STAMP

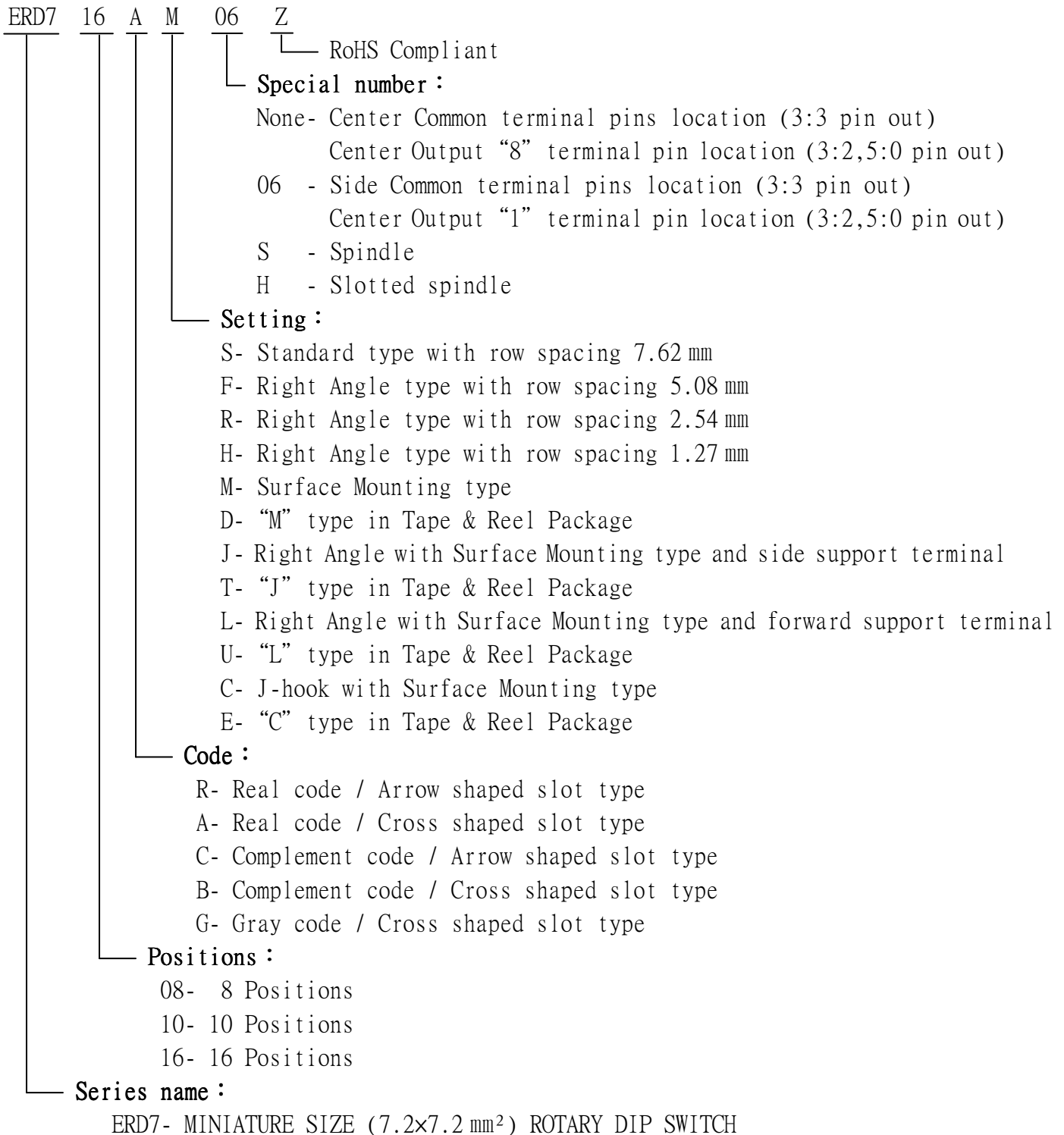
(3) QUANTITY

(7) DATE

(4) TESTER NO.

(8) MANUFACTURERS NAME

5. PART NUMBERING SYSTEM :



 <small>ISO 9001 An TS 14001 Company OHSAS 18001</small>	EXCEL CELL ELECTRONIC CO., LTD.	NO.	A31140	PAGE 4
S P E C I F I C A T I O N		Edition	6	

6. DRAWINGS :

Dip switch dimensions :	see attached drawing.
Circuit diagram :	see attached drawing.
P.C.B. layout diagram :	see attached drawing.

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