



SPECIFICATION

Edition

2

ERD ROTARY DIP SWITCH
ERD7XXXXX6Z series**1. FEATURES :**

- 1.1 Outer dimension 7.2mm square, 3.5mm high on board for through hole type , and 3.5mm high on board for surface mounting
- 1.2 Top size 7.2x3.0mm² , 7.6mm high on board for side adjust type
- 1.3 Positions and switch code can be identified
- 1.4 Gold plated contact area ensures reliable electric continuity for micro current
- 1.5 Surface mounting type can be supplied in embossed taping for automatic packing
- 1.6 Pin-out compatible with most of current equivalents

2. SPECIFICATIONS :**2.1 Contact Rating**

1. Max. Switching Load 100 mA, 5 VDC
2. Min. Switching Load 10 μ A, 5VDC

2.2 Temperature Rating

1. Operating Temp. -25 to +70
2. Storage Temp. -25 to +85

2.3 Electrical Characteristics

1. Contact resistance 200m Ω Max.
2. Insulation resistance 100M Ω Min. at 100VDC
3. Dielectric Strength 250VAC rms. At 1min., 2mA(Max)

2.4 General Characteristics

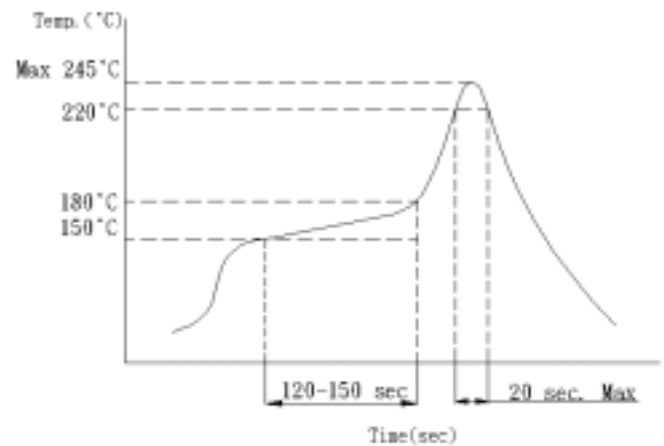
1. Operating force 510gf-cm. Max.
2. Terminal strength 255gf at 10 seconds
3. Soldering heat 260 at 5 seconds
4. Shock 50G at 11 ms
5. Vibration 100Hz~500Hz at 1.5mm or 10G
6. Operation life 10,000 detents Min.
7. Low temperature -25 at 96 hours
8. High temperature 85 at 96 hours
9. Solderability After flux 245 \pm 5 for 5 \pm 1 seconds.
10. Resistance to soldering heat 260 \pm 5 for 5 \pm 1 seconds
for Through Hole Type

S P E C I F I C A T I O N

Edition

2

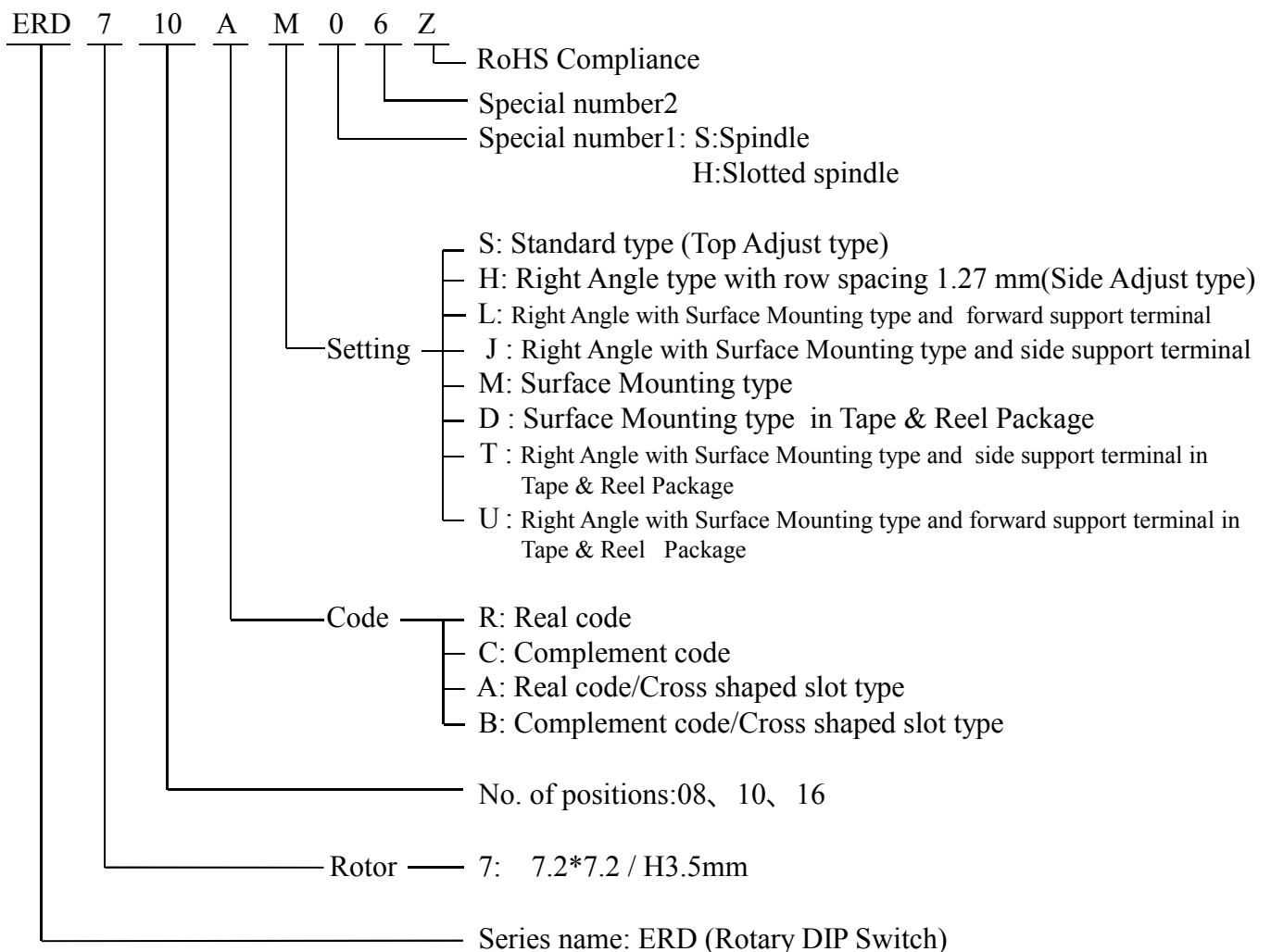
11. Reflow soldering heat for SMT, THR type
 Reflow conditions: 220 ,20 seconds or less,
 peak temperature 245 or less.
 (reference only)




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. PART NUMBERING SYSTEM :



	EXCEL CELL ELECTRONIC CO., LTD.	NO.	A31140	PAGE 3/3

5. PACKING :

5.1 PACKING METHOD

Type	Package	Number of pcs. per IC tube	Number of pcs. per Reel
Top Adjust Type		70	1000
Side Adjust Type	ERD7XXAL06Z	70	500
	ERD7XXAJ06Z	55	

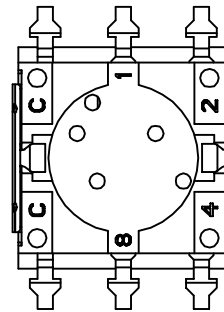
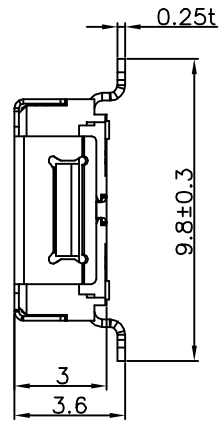
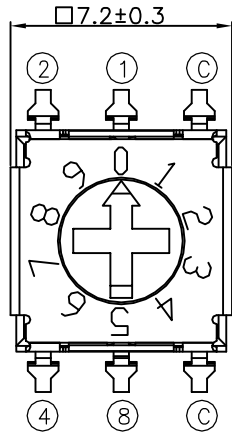
5.2 INFORMATION ON LABEL (stuck to each bundle of IC tubes).

- | | |
|-----------------|------------------------|
| (1) DESCRIPTION | (5) ECE MARK |
| (2) LOT NO. | (6) QC STAMP |
| (3) QUANTITY | (7) DATE |
| (4) TESTER NO. | (8) MANUFACTURERS NAME |

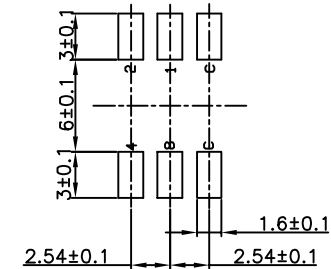
6. DRAWINGS :

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

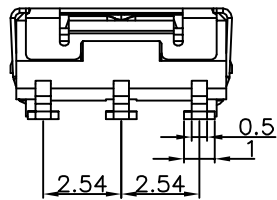
ERD710AM06Z/ERD710BM06Z(Top Adjust, Surface Mounting Type)



P.C.B LAYOUT



Pin out No.



PIN NO	POSITION															
	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
1	○	●	○	●	○	●	○	●	○	●	○	●	○	●	○	●
2	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○
4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

● Real Code Rotor color : orange
○ Complementary Code Rotor color : green

Remark: 1, Soldering temperature: MAX 260°C for 5 seconds
2, RoHS compliant
3, Unit package: 70pcs per IC tube

PART NUMBER	POSITION	CODE	ROTOR COLOR
ERD710AM06Z	10	REAL	Orange
ERD710BM06Z	10	COMPLEMENT	Green

NO.	DETAILS	ALTERED BY	DATE	NORMAL TOLERANCE		PART NUMBER	UNIT	MM(INCH)	PART NAME	ERD7
				RANGE	TOLERANCE					
				0 - 1	±0.1	ERD710AM06Z		5 : 3	TYPE	3:3(AM06Z&BM06Z)
				1 - 4	±0.3	MATERIAL	SCALE	QUANTITY	FILE NAME	7187102M06ZA.DWG
			4 - 16	±0.5						
			16 - 63	±0.8						
			63 - 250	±1						
				CHECK	Gary. Guo	DESIGN	P. C. L	DRAWN	P. C. L	PROCESSING
								PROJECTION		SURFACE TREATMENT