DIPTRONICS MANUFACTURING INC.

Speed & Technique EM(R)&EI(R) SERIES

0.60

9.80 [0.3858]

0.70 [0.0277]



DIM. B

2.54[.100]

5.08[.100]

7.62[.300]

10.16[.400]

12.70[.500]

15.24[.600]

17.78[.700]

20.32[.800]

22.86[.900]

27.94[1.100]

NO. OF

1

2

3

4

5

6

7

8

9

10

12

DIM. A

2.44[.096]

4.98[.196]

7.52[.296]

10.06[.396]

12.60[.496]

15.14[.596]

17.68[.696]

20.22[.796]

22.76[.896]

25.3[0.996]

30.38[1.196]

(1,2,3,4,5,6,7,8,9,10,12,POS AVAIL)

NO.

PROD.

EM-01-V

EMR-01-V

EM-02-V

EMR-02-V EM-03-V

EMR-03-V

EMR-04-V

EM-05-V EMR-05-V

EM-06-V

EMR-06-V EM-07-V

EMR-07-V EM-08-V

EMR-08-V

EM-09-V EMR-09-V

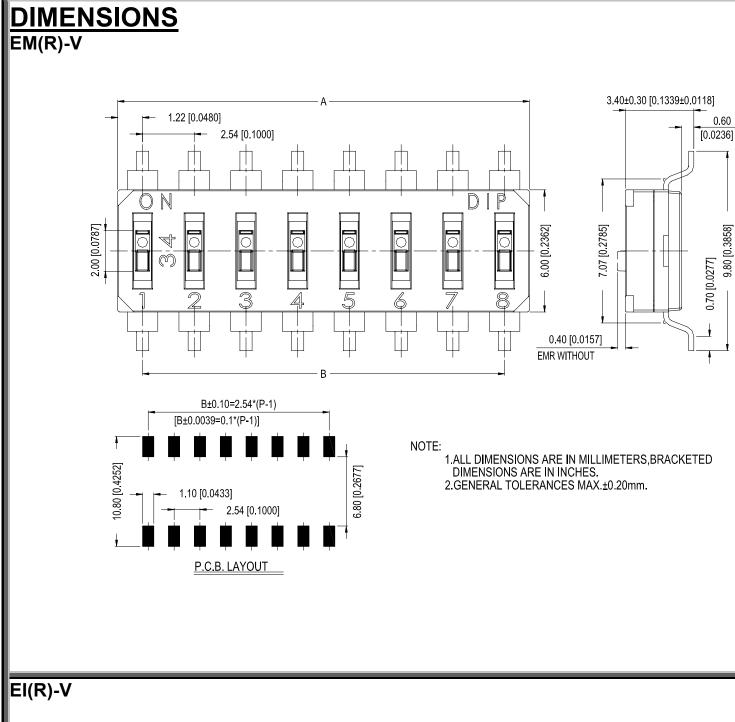
EM-10-V

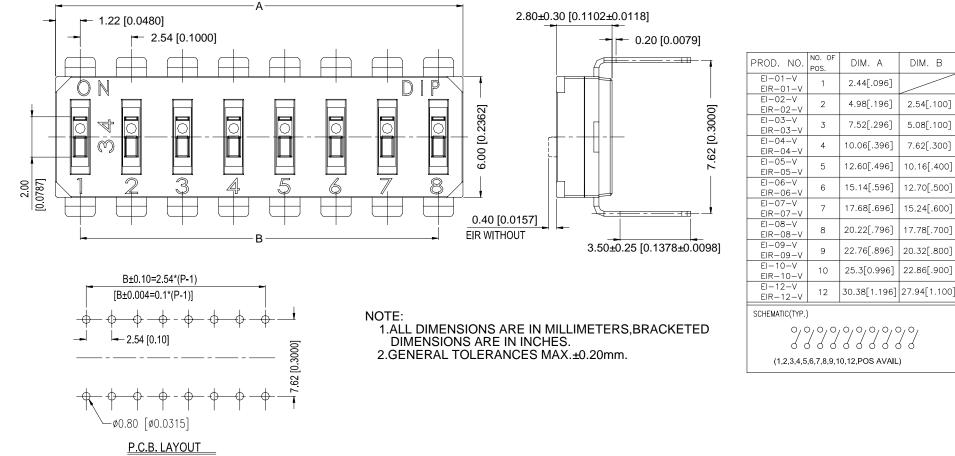
EMR-10-V EM-12-V

EMR-12-V

SCHEMATIC(TYP.)

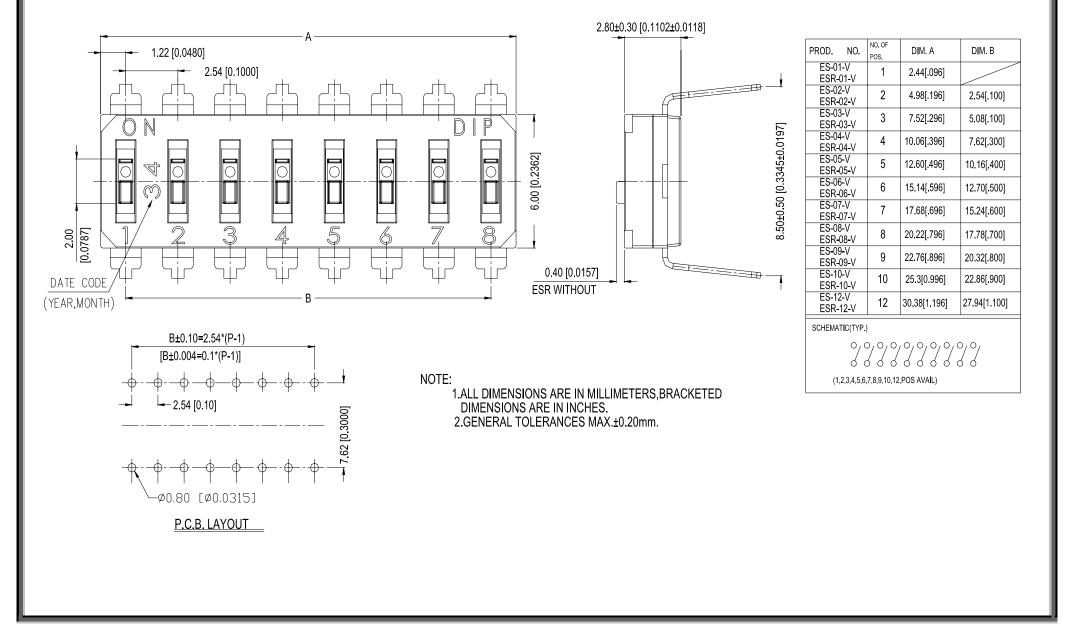
EM-04-V

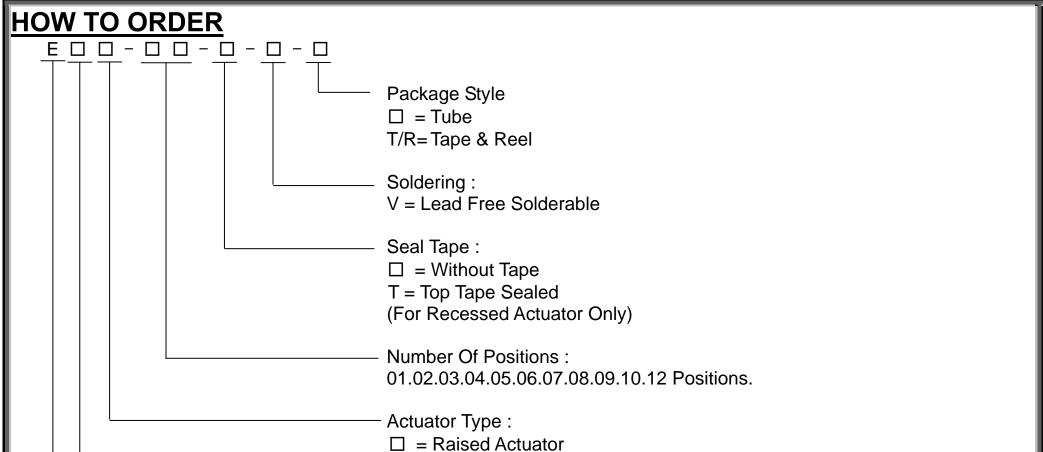




| PROD. NO. | NO. OF POS. | DIM. A | DIM. B |
|---------------------|----------------|-------------|-------------|
| EI-01-V EIR-01-V | 1 | 2.44[.096] | |
| EI-02-V EIR-02-V | 2 | 4.98[.196] | 2.54[.100] |
| EI-03-V EIR-03-V | 3 | 7.52[.296] | 5.08[.100] |
| EI-04-V EIR-04-V | 4 | 10.06[.396] | 7.62[.300] |
| EI-05-V EIR-05-V | 5 | 12.60[.496] | 10.16[.400] |
| EI-06-V EIR-06-V | 6 | 15.14[.596] | 12.70[.500] |
| EI-07-V EIR-07-V | 7 | 17.68[.696] | 15.24[.600] |
| EI-08-V | 8 | 20.22[.796] | 17.78[.700] |

DIMENSIONS ES(R)-V





| | Raised Actuator R = Recessed Actuator |
|--|---|
| | Terminal Type : M = S.M.T Type I = Through Hole Type 7.62mm S = Through Hole Type 8.50mm |
| | End-Stackable Dip Switch |

Remark : Default in OFF position, ON position is also available. (Pls consult your sales contact)

SPECIFICATION

△MECHANICAL
 Mechanical Life: 2,000 operations.
 Operation Force: 1,000gf max.
 Stroke: 1.0 mm
 Operation Temp: -20°C to +85°C
 Storage Temperature: -40°C to +85°C

Electrical Life: 2,000 cycles. Rating: 25 mA,24 VDC. Contact resistance: 100m Ω min. at 500VDC. Insulation Resistance: 100M Ω max, at 500 VDC. Dielectric Strength: 500VAC/1 minute. Contact Arrangement 1 pole throw.

SOLDERING PROCESSES

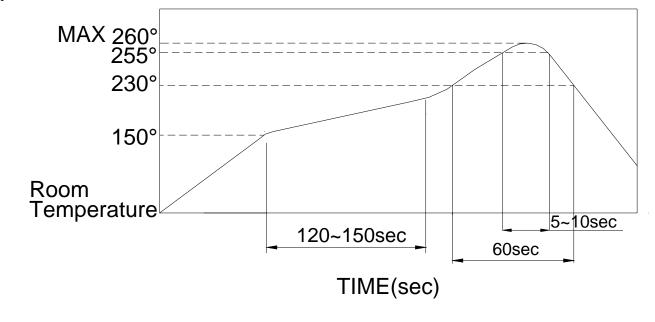
<u>MATERIAL</u>

- △BASE & COVER: UL94V-0 Nylon High-Temp Thermoplastic. Color: Black.
- △ACTUATOR: UL94V-0 LCP High-Temp Thermoplastic. Color: White.
- \triangle CONTACT: Alloy Copper with gold plated.
- **△TERMINAL:** Brass with gold plated.
- \triangle TAPE: Kapton.

AWAVE SOLDERING: Recommended solder temperature at 500°F(260°C) max. of 5 seconds for through hole type.
AHAND SOLDERING: Use a soldering iron of 30 watts, controlled at 350°C approximately max 5 seconds while applying.

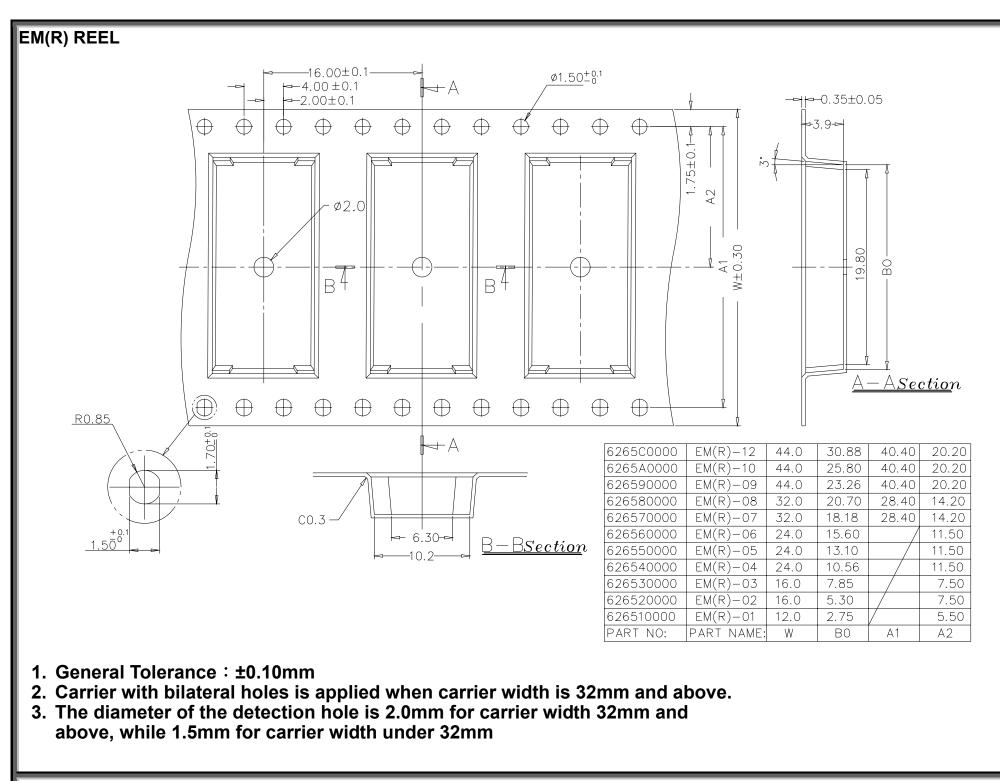
AREFLOW SOLDERING: When applying reflow soldering, the peak temperature or the reflow Oven should be set at 260℃ max.

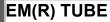
riangleDo not wash the switch except top tape sealed type, which suitable for spray cleaning method from top of the s/w. riangleReflow Temperature Profile:

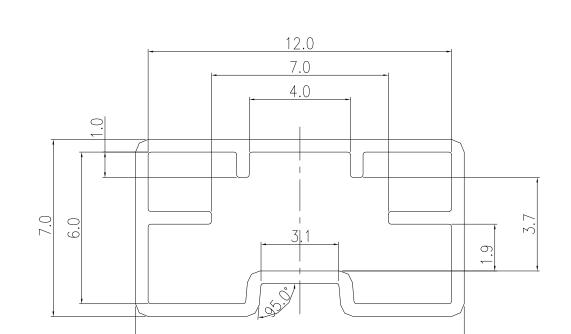


PACKING

| Part Number | Number Per Tube | Number Per Reel |
|--------------------|--------------------|--------------------|
| EM 、 EI(R)-01 | 194 | - |
| EM \ EI(R)-02 | 95 | - |
| EM \ EI(R)-03 | 63 | - |
| EM 	 EI(R)-04 | 47 | - |
| EM \ EI(R)-05 | 38 | - |
| EM \ EI(R)-06 | 31 | - |
| EM \ EI(R)-07 | 27 | - |
| EM \ EI(R)-08 | 23 | - |
| EM 	 EI(R)-09 | 21 | - |
| EM 	 EI(R)-10 | 18 | - |
| EM \ EI(R)-12 | 12 | - |
| EM(R)-01 \ 02 \ 03 | | |
| 04、05、06、 | | 900 |
| 07、08、09、 | | |
| 10 \ 12 \ | | |







13.0

General Tolerance : ±0.20mm

