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

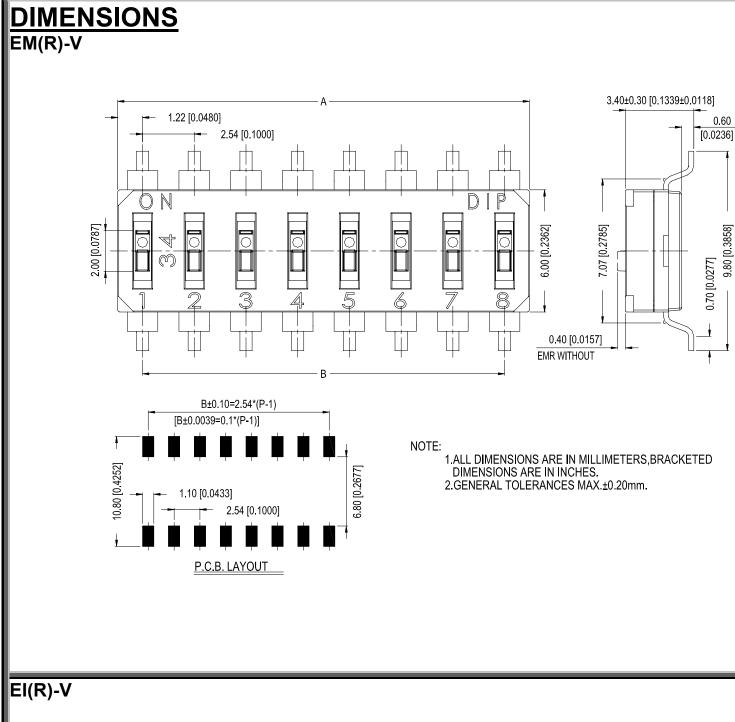
EM-10-V

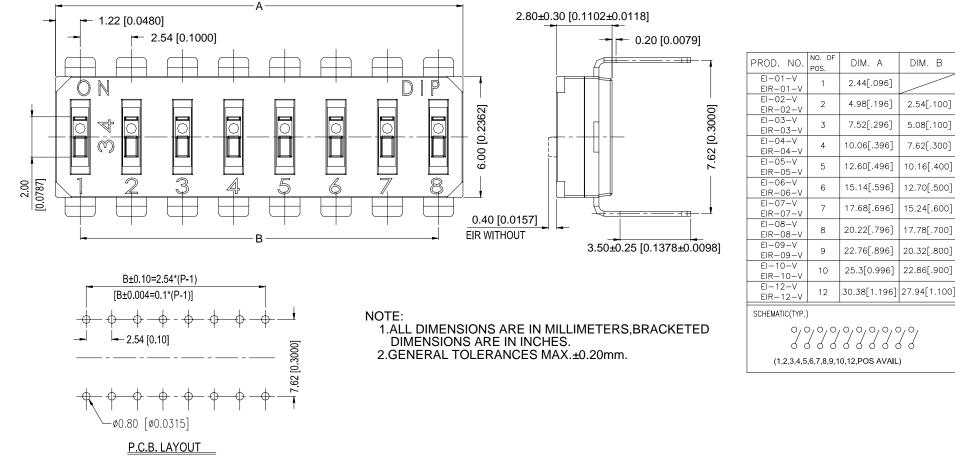
EMR-10-V EM-12-V

EMR-12-V

SCHEMATIC(TYP.)

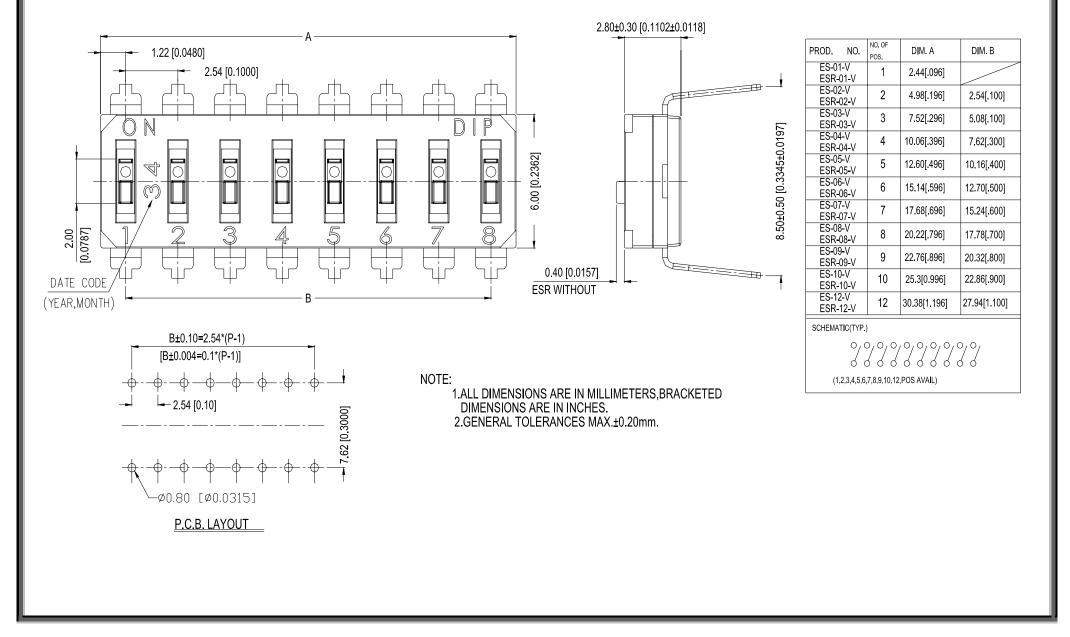
EM-04-V

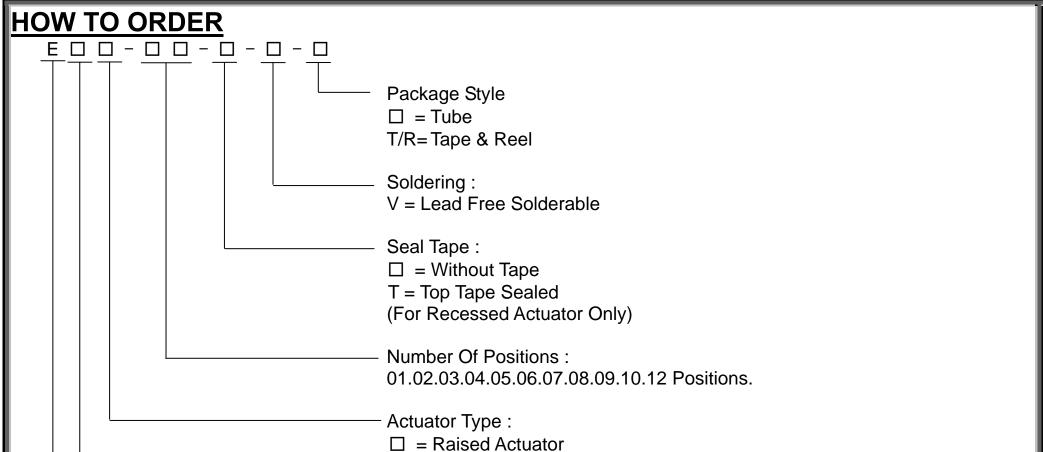




PROD. NO.	NO. OF POS.	DIM. A	DIM. B
EI-01-V EIR-01-V	1	2.44[.096]	
EI-02-V EIR-02-V	2	4.98[.196]	2.54[.100]
EI-03-V EIR-03-V	3	7.52[.296]	5.08[.100]
EI-04-V EIR-04-V	4	10.06[.396]	7.62[.300]
EI-05-V EIR-05-V	5	12.60[.496]	10.16[.400]
EI-06-V EIR-06-V	6	15.14[.596]	12.70[.500]
EI-07-V EIR-07-V	7	17.68[.696]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

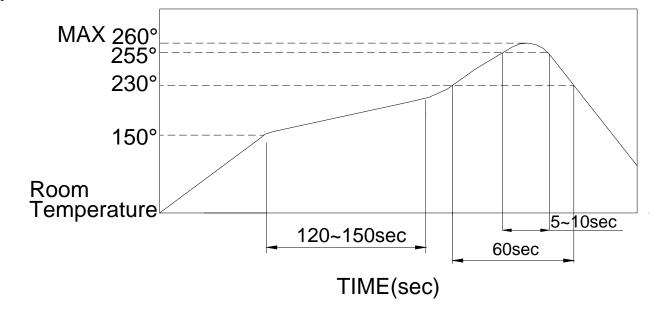
<u>MATERIAL</u>

- △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.

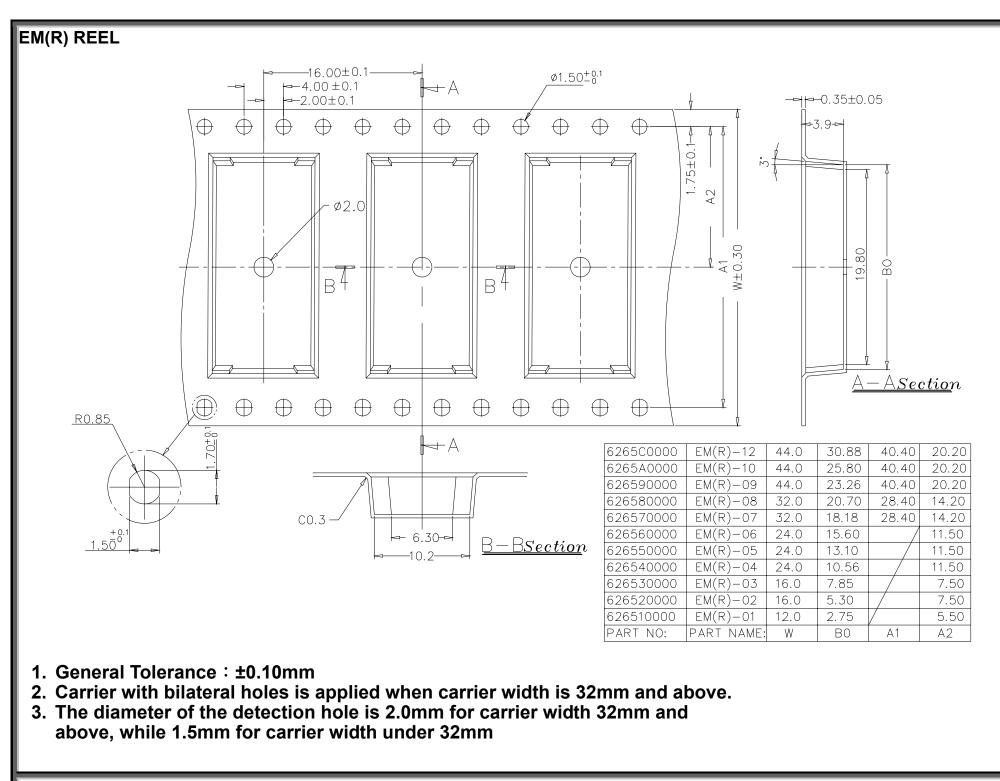
AREFLOW SOLDERING: When applying reflow soldering, the peak temperature or the reflow Oven should be set at 260℃ max.

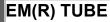
riangleDo not wash the switch except top tape sealed type, which suitable for spray cleaning method from top of the s/w. riangleReflow Temperature Profile:

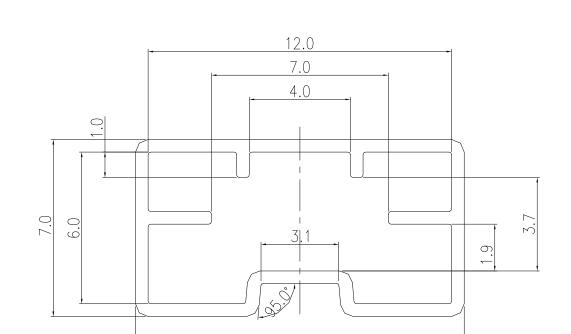


PACKING

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

