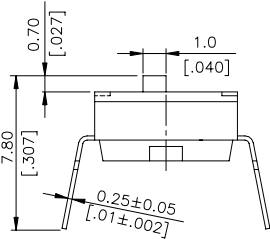
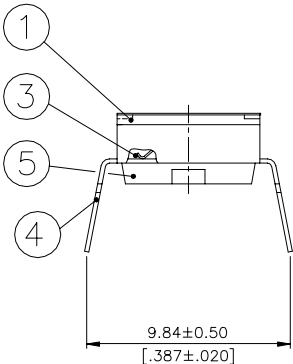
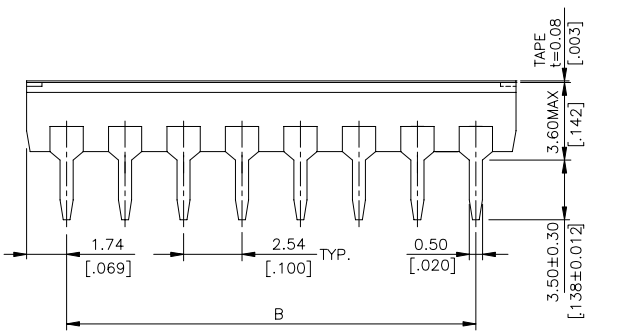
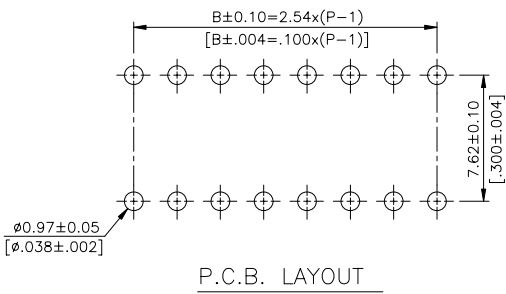
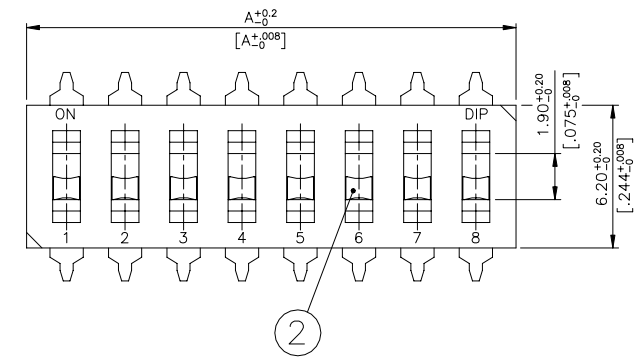


NDI(R),DM(R)&DJ(R) SERIES



DIMENSIONS

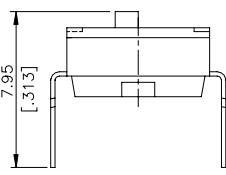
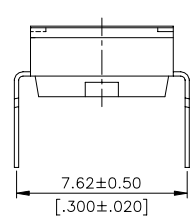
NDI(R)



SCHEMATIC(TYP.)

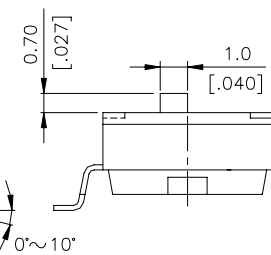
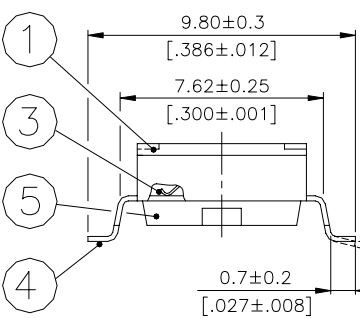
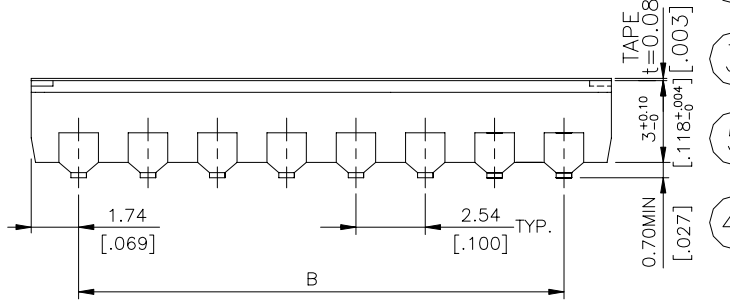
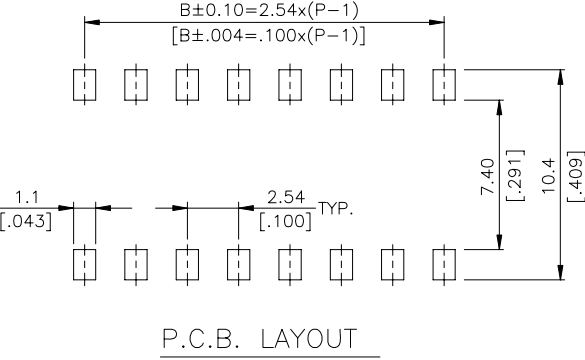
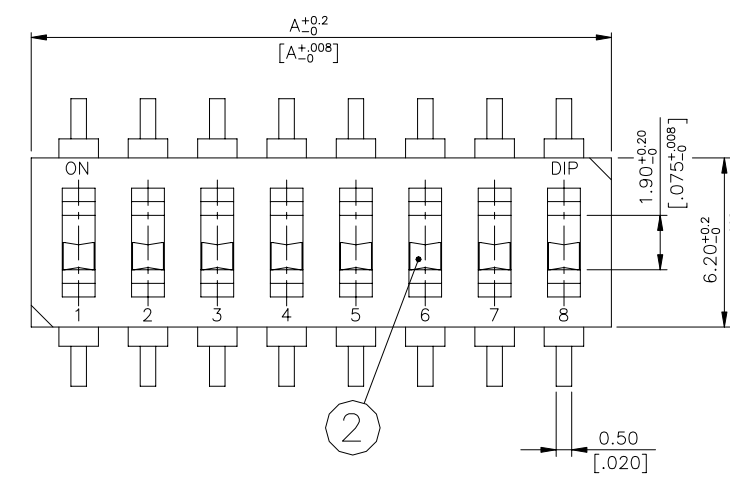


(1,2,3,4,5,6,7,8,9,10,12,POS AVAIL)



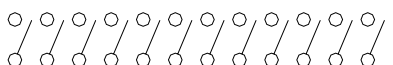
General Tolerance : ±0.2mm

DM(R)



DM -12(A) (P) DMR-12(A) (P)	12	31.42[1.237]	27.94[1.100]
DM -10(A) (P) DMR-10(A) (P)	10	26.34[1.037]	22.86[.900]
DM -09(A) (P) DMR-09(A) (P)	9	23.80[.937]	20.32[.800]
DM -08(A) (P) DMR-08(A) (P)	8	21.26[.837]	17.78[.700]
DM -07(A) (P) DMR-07(A) (P)	7	18.72[.737]	15.24[.600]
DM -06(A) (P) DMR-06(A) (P)	6	16.18[.637]	12.70[.500]
DM -05(A) (P) DMR-05(A) (P)	5	13.64[.537]	10.16[.400]
DM -04(A) (P) DMR-04(A) (P)	4	11.10[.437]	7.62[.300]
DM -03(A) (P) DMR-03(A) (P)	3	8.56[.337]	5.08[.200]
DM -02(A) (P) DMR-02(A) (P)	2	6.02[.237]	2.54[.100]
-	-	-	-
PROD. NO.	NO. OF POS.	DIM. A	DIM. B

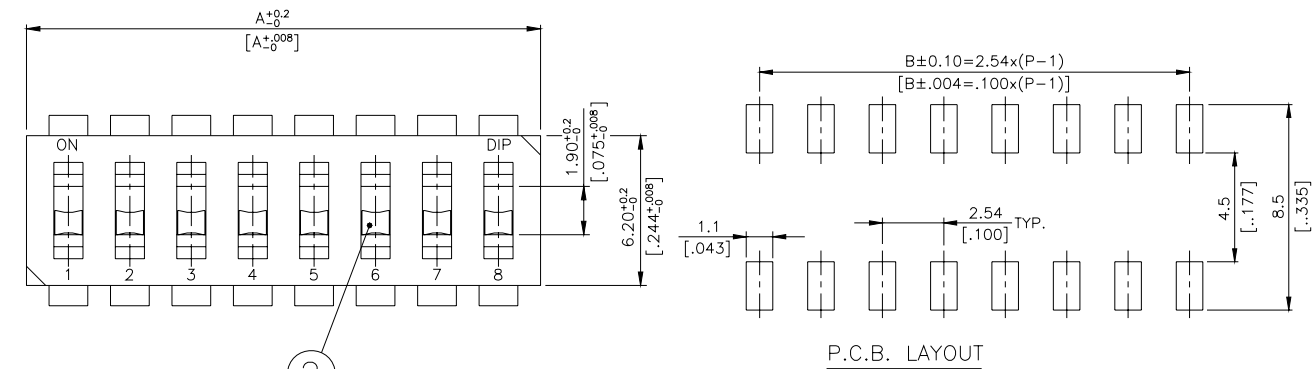
SCHEMATIC(TYP.)



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

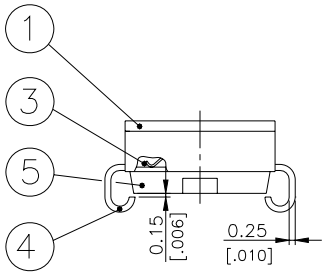
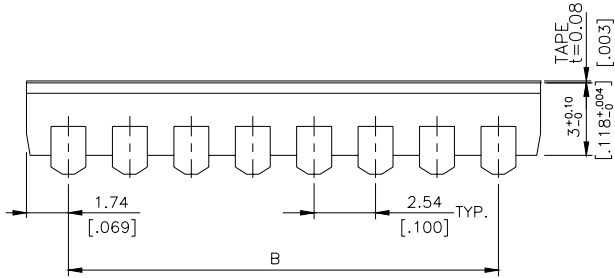
General Tolerance : ±0.2mm

DJ(R)

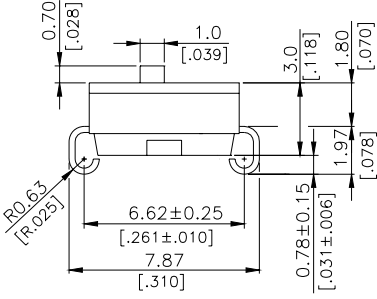


DJ -12	12	31.42[1.237]	27.94[1.100]
DJR -12	12	31.42[1.237]	27.94[1.100]
DJ -10	10	26.34[1.037]	22.86[.900]
DJR -10	10	26.34[1.037]	22.86[.900]
DJ -09	9	23.80[.937]	20.32[.800]
DJR -09	9	23.80[.937]	20.32[.800]
DJ -08	8	21.26[.837]	17.78[.700]
DJR -08	8	21.26[.837]	17.78[.700]
DJ -07	7	18.72[.737]	15.24[.600]
DJR -07	7	18.72[.737]	15.24[.600]
DJ -06	6	16.18[.637]	12.70[.500]
DJR -06	6	16.18[.637]	12.70[.500]
DJ -05	5	13.64[.537]	10.16[.400]
DJR -05	5	13.64[.537]	10.16[.400]
DJ -04	4	11.10[.437]	7.62[.300]
DJR -04	4	11.10[.437]	7.62[.300]
DJ -03	3	8.56[.337]	5.08[.200]
DJR -03	3	8.56[.337]	5.08[.200]
DJ -02	2	6.02[.237]	2.54[.100]
DJR -02	2	6.02[.237]	2.54[.100]

PROD. NO.	NO. OF POS.	DIM. A	DIM. B
SCHEMATIC(TYP.)			
(1,2,3,4,5,6,7,8,9,10,12,POS AVAIL)			



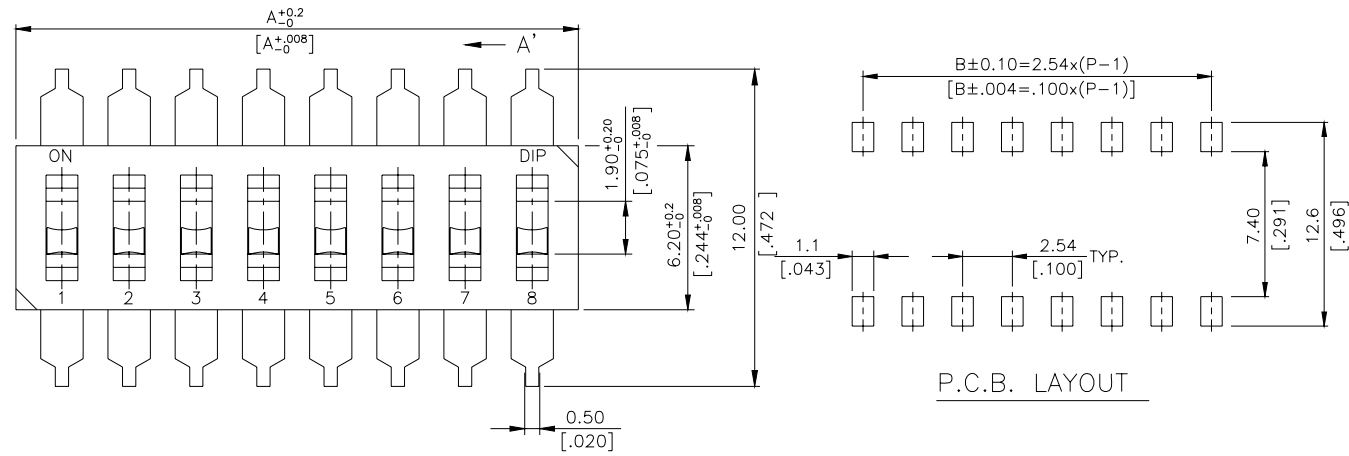
DJR SERIES



DJ SERIES

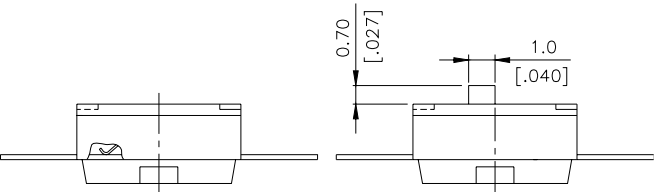
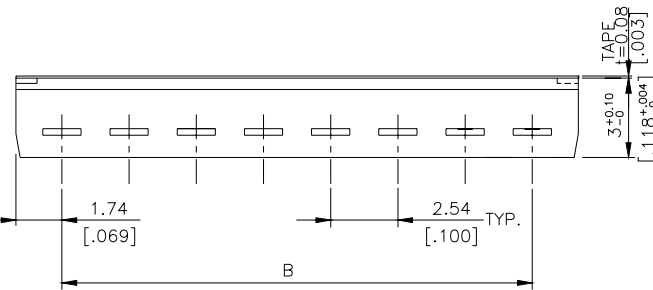
General Tolerance : $\pm 0.2\text{mm}$

DL(R)



DL -12(A)(P)	12	31.42[1.237]	27.94[1.100]
DLR -12(A)(P)	12	31.42[1.237]	27.94[1.100]
DL -10(A)(P)	10	26.34[1.037]	22.86[.900]
DLR -10(A)(P)	10	26.34[1.037]	22.86[.900]
DL -09(A)(P)	9	23.80[.937]	20.32[.800]
DLR -09(A)(P)	9	23.80[.937]	20.32[.800]
DL -08(A)(P)	8	21.26[.837]	17.78[.700]
DLR -08(A)(P)	8	21.26[.837]	17.78[.700]
DL -07(A)(P)	7	18.72[.737]	15.24[.600]
DLR -07(A)(P)	7	18.72[.737]	15.24[.600]
DL -06(A)(P)	6	16.18[.637]	12.70[.500]
DLR -06(A)(P)	6	16.18[.637]	12.70[.500]
DL -05(A)(P)	5	13.64[.537]	10.16[.400]
DLR -05(A)(P)	5	13.64[.537]	10.16[.400]
DL -04(A)(P)	4	11.10[.437]	7.62[.300]
DLR -04(A)(P)	4	11.10[.437]	7.62[.300]
DL -03(A)(P)	3	8.56[.337]	5.08[.200]
DLR -03(A)(P)	3	8.56[.337]	5.08[.200]
DL -02(A)(P)	2	6.02[.237]	2.54[.100]
DLR -02(A)(P)	2	6.02[.237]	2.54[.100]
DL -01(A)(P)	2	3.48[.137]	
DLR -01(A)(P)	2	3.48[.137]	

PROD. NO.	NO. OF POS.	DIM. A	DIM. B
SCHEMATIC(TYP.)			
(1,2,3,4,5,6,7,8,9,10,12,POS AVAIL)			



DLR SERIES

DL SERIES

General Tolerance : $\pm 0.2\text{mm}$

HOW TO ORDER

□ □ □ □ - □ □ - □ - □ - □

- Package Style:
□ = Tube
T/R= Tape & Reel
- Soldering:
V = Lead Free Solderable
- Seal:
□ = Regular
T = Top Tape Sealed <Recessed Actuator Only>
- Shape of Terminal:
□ = Regular
△S = Splay Terminal
△H = Straight Terminal
△(Only for NDI(R))
- Number Of Positions:
01 = 1 Position
02 = 2 Position
03 = 3 Position
04 = 4 Position
05 = 5 Position
06 = 6 Position
07 = 7 Position
08 = 8 Position
09 = 9 Position
10 = 10 Position
12 = 12 Position
- Actuator Type:
□ = Raised Actuator
R = Recessed Actuator
- | | |
|-----|--------------------------------|
| NDI | = Through Hole Type Dip Switch |
| DM | = Gull Wing Terminal S.M.T |
| DJ | = J Bend Terminal S.M.T |
| DL | = Flat Terminal S.M.T |

SPECIFICATION

- △MECHANICAL
Mechanical Life: 2,000 operations per switch.
Operation Force: 1,000gf max.
Stroke: 1.0 mm
Operation Temp: -20℃ to +85℃
Storage Temperature: -40℃ to +85℃
- △ELECTRICAL
Electrical Life: 2,000 operations min. per switch 24VDC, 25mA
Non-switching Rating: 100mA, 50VDC
Switching Rating: 25mA, 24VDC
Contact resistance: (a) 50mΩ max. at initial
(b) 100mΩ max. after life test
Insulation Resistance: 100MΩ min. 500VDC
Dielectric Strength: 500VAC/ minute
Capacitance: 5pF max.
Circuit: Single pole single throw.

MATERIAL

- △BASE & COVER: UL94V-0 PPS High-Temp.
Thermoplastic, Color: Black
△ACTUATOR: UL94V-0 Nylon Thermoplastic (NDI)
UL94V-0 Nylon High-Temp Thermoplastic
(V-option only for DM(R) 、 DL(R) 、 DJ(R))
Color: White
△CONTACT: Alloy Copper with gold plated
△TERMINAL: Brass with gold plated
▲CONTACT PLATING: Gold plated over nickel.
▲TERMINAL PLATING: Gold plated
△TAPE : KAPTON

SOLDERING PROCESSES

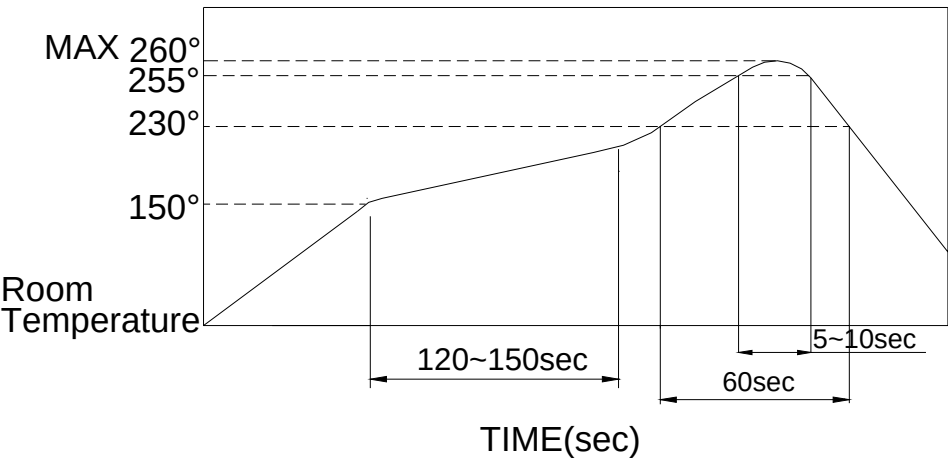
For best results, please follow these recommendation:

△WAVE SOLDERING: Recommended solder temperature △Reflow Temperature Profile:
at 500°F(260°C) max. of 5 seconds for through hole
type.

△HAND SOLDERING : Use a soldering iron of 30 watts,
controlled at 350°C approximately 5 seconds.

△REFLOW SOLDERING: When applying reflow soldering,
the peak temperature or the reflow Oven should be set
at 260°C max.

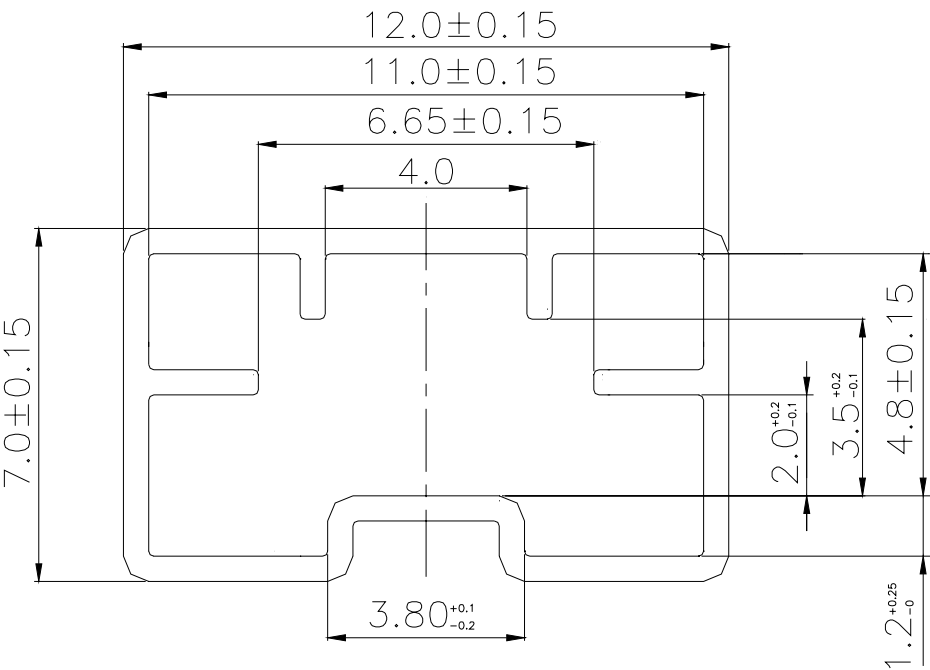
△Any flux enters the switch may fail the conductivity.
△Do not clean the switch body except top tape sealed
type, which only suitable for spray cleaning method
from top of the s/w.



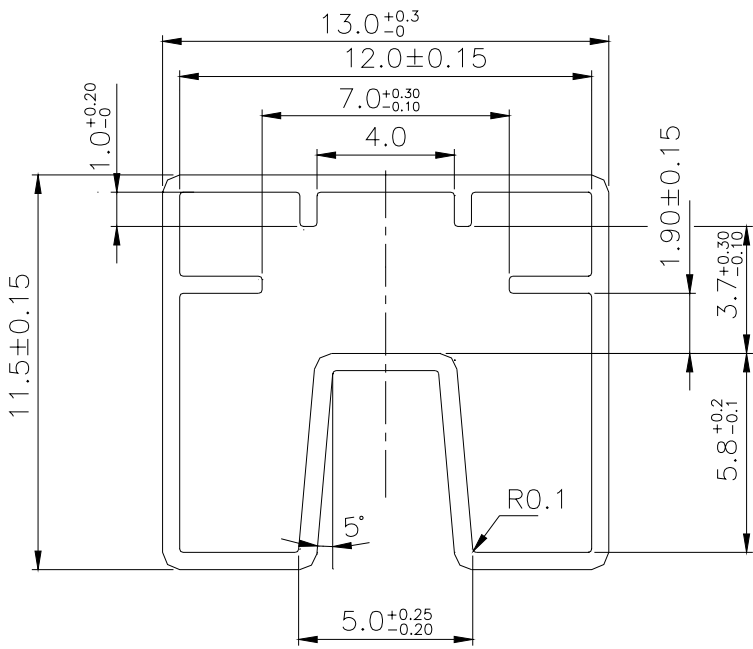
Part Number	Number Per Tube	Part Number	Number Per Reel	Part Number	Number Per Tube	Part Number	Number Per Reel
DM(R)-01	130	DMR-01-T/R	800	NDI-01(-T)	130	DM-01-T/R	800
DM(R)-02(-T)	76	DMR-02-T-T/R	900	NDI-02(-T)	76	DM-02-T/R	700
DM(R)-03(-T)	55	DMR-03-T-T/R	900	NDI-03(-T)	55	DM-03-T/R	700
DM(R)-04(-T)	42	DMR-04-T-T/R	900	NDI-04(-T)	42	DM-04-T/R	700
DM(R)-05(-T)	35	DMR-05-T-T/R	900	NDI-05(-T)	34	DM-05-T/R	800
DM(R)-06(-T)	28	DMR-06-T-T/R	900	NDI-06(-T)	29	DM-06-T/R	700
DM(R)-07(-T)	25	DMR-07-T-T/R	900	NDI-07(-T)	25	DM-07-T/R	800
DM(R)-08(-T)	22	DMR-08-T-T/R	900	NDI-08(-T)	22	DM-08-T/R	700
DM(R)-09(-T)	20	DMR-09-T-T/R	900	NDI-09(-T)	20	DM-10-T/R	800
DM(R)-10(-T)	18	DMR-10-T-T/R	900	NDI-10(-T)	18	DM-12-T/R	700
DM(R)-12(-T)	15	DMR-12-T-T/R	900	NDI-12(-T)	15		
						DJR-□□-T-T/R	1000

PACKING

DM(R) 、DJ(R) TUBE

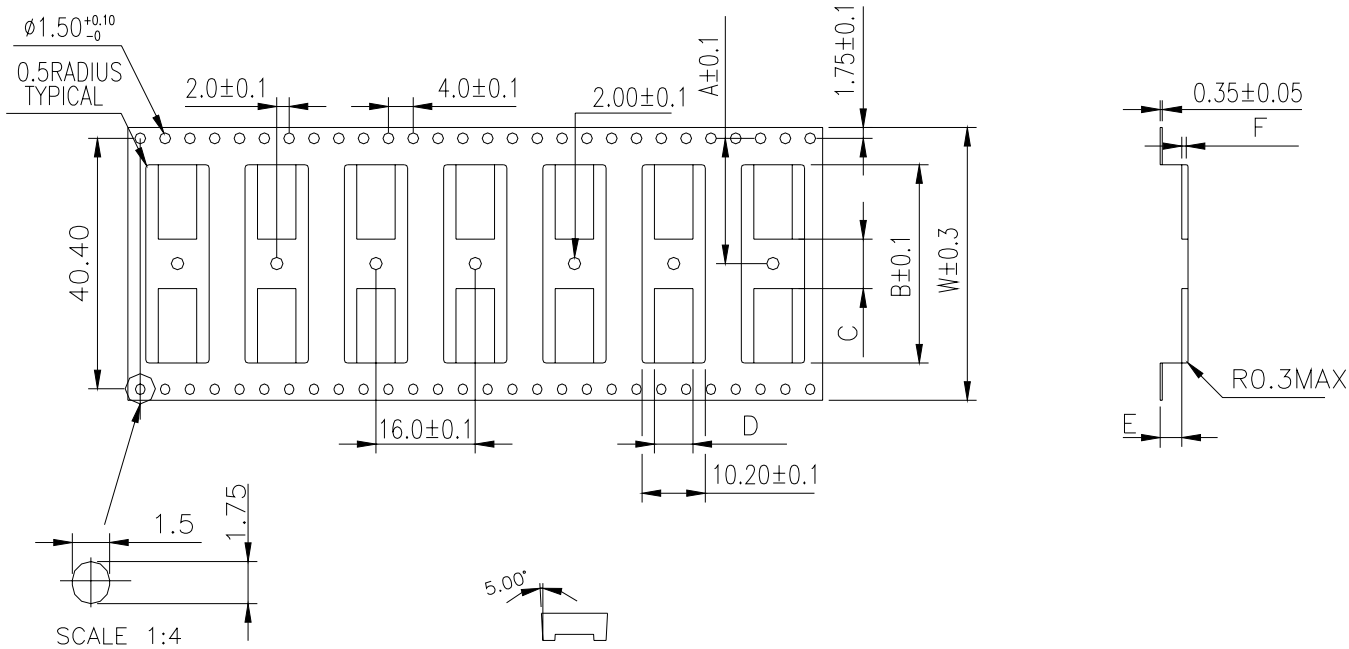


General Tolerance : ±0.2mm



General Tolerance : ±0.20mm

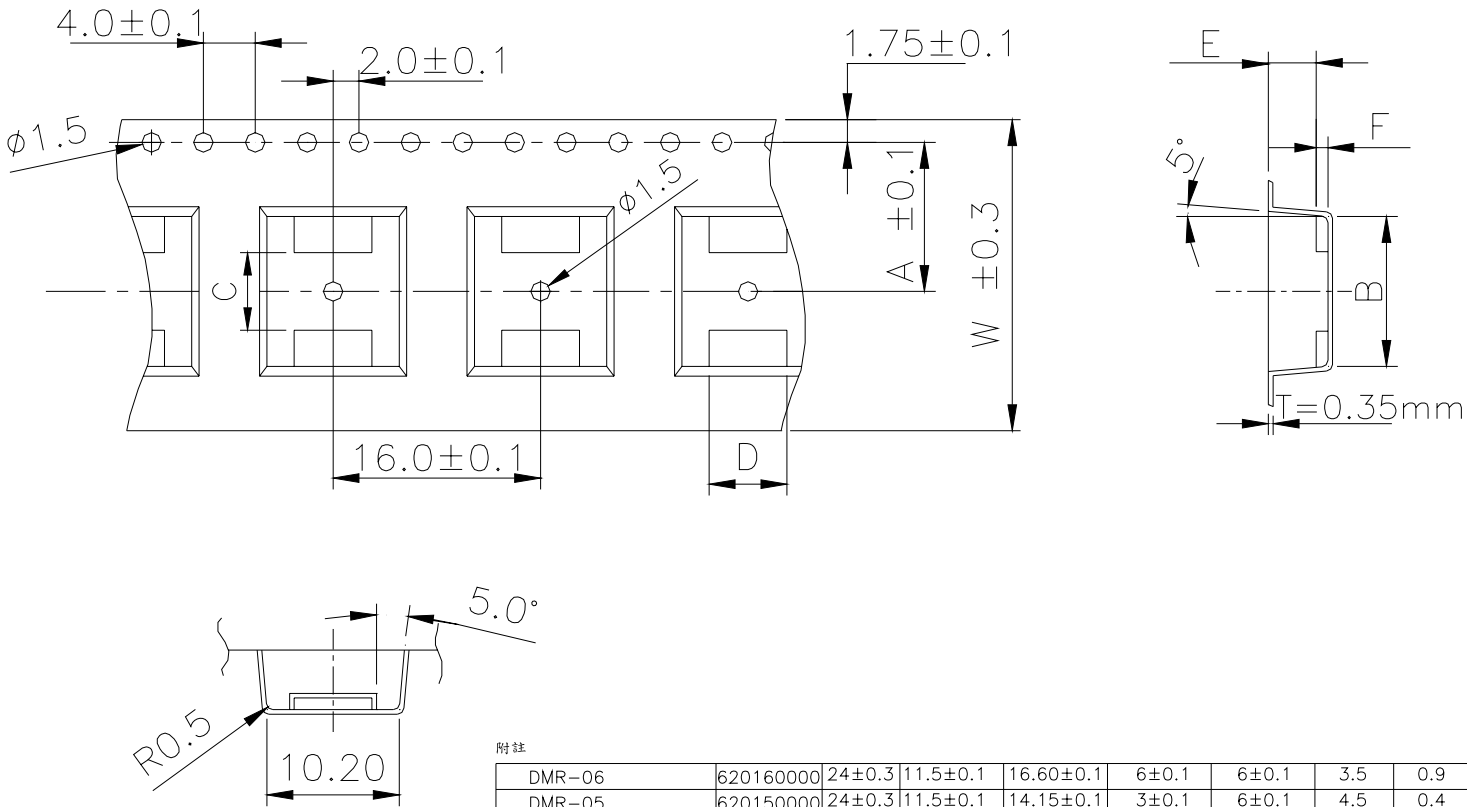
DMR-07.10.12 REEL



附註								
DMR-12	6201C0000	44.00	20.20	32.00	8.00	6.20	3.45	1.0
DMR-10	6201A0000	44.00	20.20	26.80	5.0	6.00	4.5	0.4
DMR-07	620170000	32.00	14.20	19.20	5.00	6.00	4.5	0.4
PART NAME	PART NO.	W±0.3	A	B	C	D	E	F

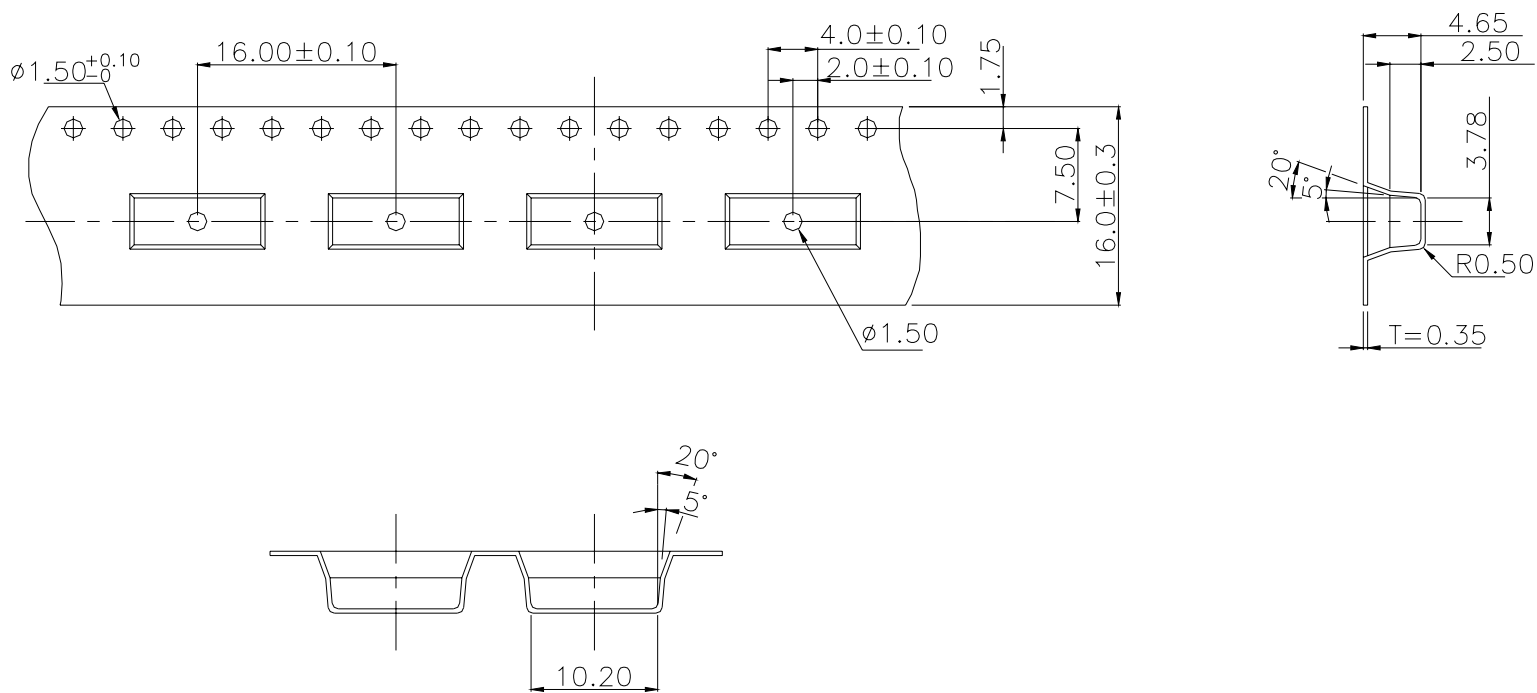
General Tolerance : ±0.2mm

DMR-02~06 REEL



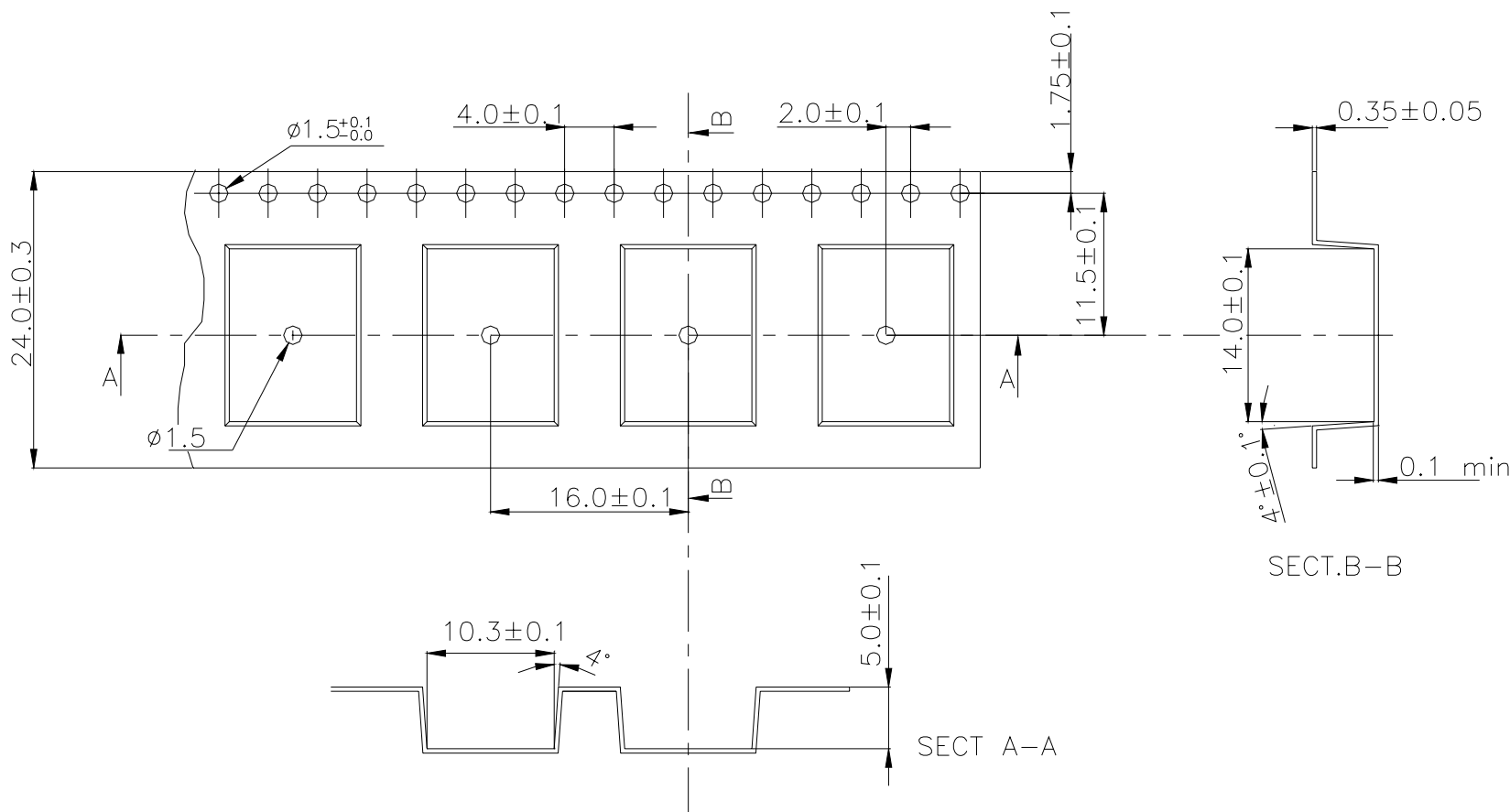
附註								
DMR-06	620160000	24±0.3	11.5±0.1	16.60±0.1	6±0.1	6±0.1	3.5	0.9
DMR-05	620150000	24±0.3	11.5±0.1	14.15±0.1	3±0.1	6±0.1	4.5	0.4
DMR-04	620140000	24±0.3	11.5±0.1	11.56±0.1	6±0.1	6±0.1	3.5	0.9
DMR-03	620130000	24±0.3	11.5±0.1	9.07±0.1	3±0.1	6±0.1	4.5	0.4
DMR-02	620120000	16±0.3	7.5±0.1	6.50±0.1	3±0.1	6±0.1	3.5	0.9
PART NAME	PART NO.	W±0.3	A	B	C	D	E	F

General Tolerance : ±0.2mm



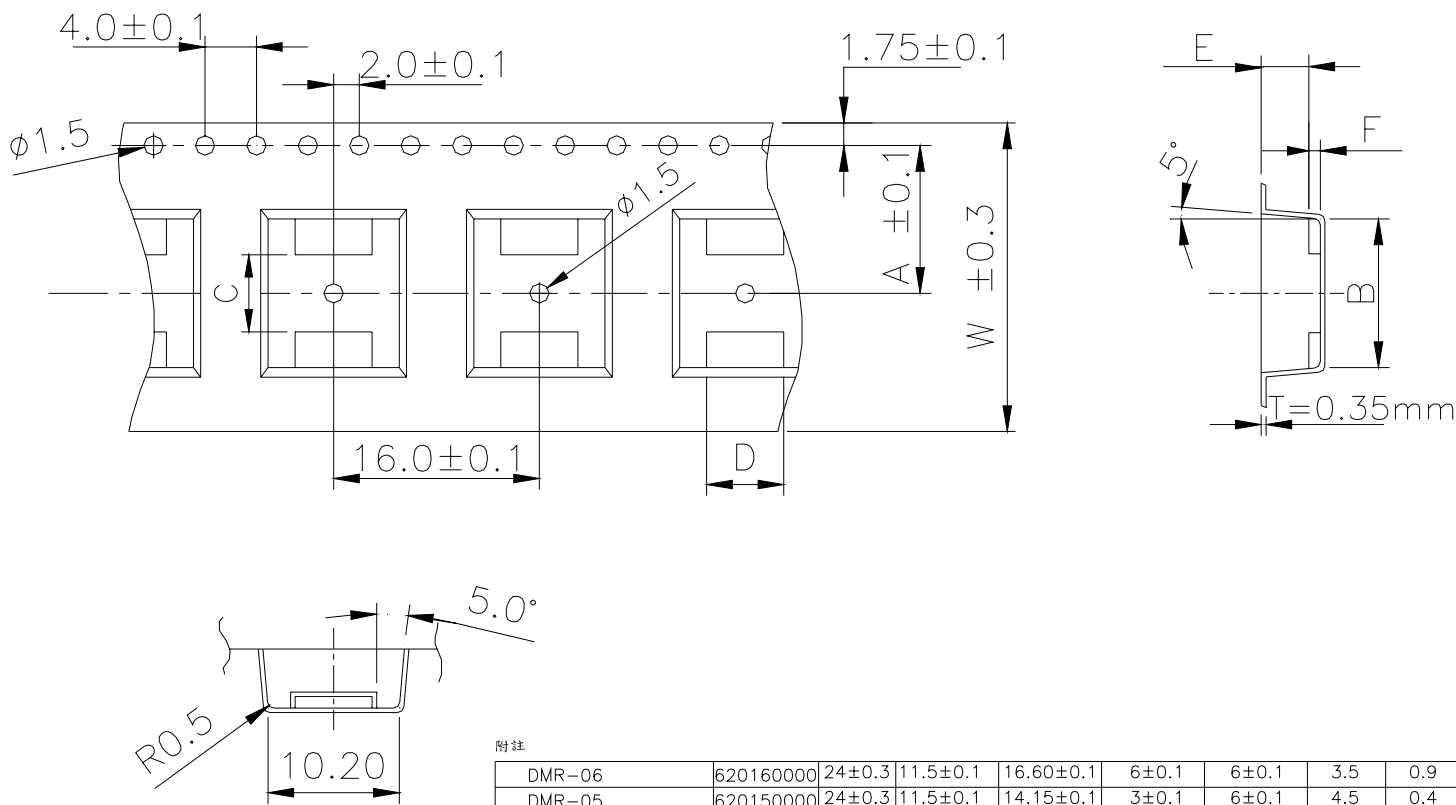
General Tolerance

DM-05 REEL



General Tolerance : $\pm 0.1\text{mm}$

DM-02.03.04.06 REEL



附註

DMR-06	620160000	24 $\pm$ 0.3	11.5 $\pm$ 0.1	16.60 $\pm$ 0.1	6 $\pm$ 0.1	6 $\pm$ 0.1	3.5	0.9
DMR-05	620150000	24 $\pm$ 0.3	11.5 $\pm$ 0.1	14.15 $\pm$ 0.1	3 $\pm$ 0.1	6 $\pm$ 0.1	4.5	0.4
DMR-04	620140000	24 $\pm$ 0.3	11.5 $\pm$ 0.1	11.56 $\pm$ 0.1	6 $\pm$ 0.1	6 $\pm$ 0.1	3.5	0.9
DMR-03	620130000	24 $\pm$ 0.3	11.5 $\pm$ 0.1	9.07 $\pm$ 0.1	3 $\pm$ 0.1	6 $\pm$ 0.1	4.5	0.4
DMR-02	620120000	16 $\pm$ 0.3	7.5 $\pm$ 0.1	6.50 $\pm$ 0.1	3 $\pm$ 0.1	6 $\pm$ 0.1	3.5	0.9
PART NAME	PART NO:	W $\pm$ 0.3	A	B	C	D	E	F

General Tolerance : $\pm 0.1\text{mm}$



6209C0000	DM-12	44	10.2±0.10	32.0±0.10	6.0±0.10	5.0±0.10	20.2±0.10	6.0	6.0
6209A0000	DM-10	44	10.2±0.10	26.8±0.10	6.0±0.10				
620990000	DM-09	44	10.2±0.10	24.26±0.1	6.0±0.10				
620980000	DM-08	32	10.1±0.10	21.5±0.10	5.9±0.10		14.2±0.10		
620970000	DM-07	32	10.1±0.10	19.17±0.10	5.0±0.10	4.0±0.10		6.5	5.0
PART NO	PART NAME	Wt: 0.3mm	A0	B0	K0	K1	F	G	H

DJR-08 REEL



DJR-02,03,04,09



DJR-12	6212C0000	44.00	20.20	31.75	29.75	5.0	0.35	37.5mm
DJR-09	621290000	44.00	20.20	24.20	22.20	5.0	0.35	37.5mm
DJR-06	621260000	24.00	11.50	16.58	14.58	5.0	0.35	21mm
DJR-05	621250000	24.00	11.50	14.04	12.04	5.0	0.35	21mm
DJR-04	621240000	24.00	11.50	11.40	9.40	5.0	0.35	21mm
DJR-03	621230000	16.00	7.50	9.00	7.00	4.5	0.35	13.3mm
PART NAME	PART NO	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	COVER

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