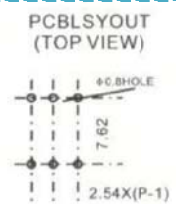
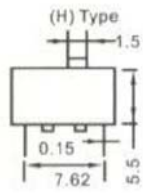
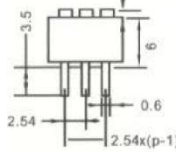
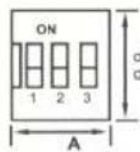
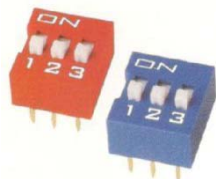


DS-02

POSITIONS	2	3	4	5	6	7	8	9	10	12
A	6.38	8.92	11.47	14.00	16.54	19.28	21.62	24.16	26.70	31.78

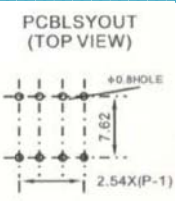
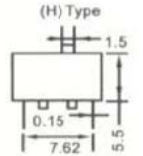
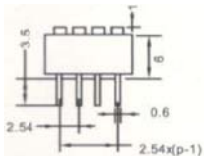
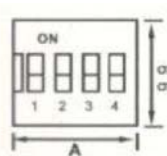
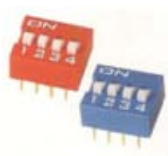
UNIT:MM



DS-03

POSITIONS	2	3	4	5	6	7	8	9	10	12
A	6.38	8.92	11.47	14.00	16.54	19.28	21.62	24.16	26.70	31.78

UNIT:MM



DS-04

POSITIONS	2	3	4	5	6	7	8	9	10	12
A	6.38	8.92	11.47	14.00	16.54	19.28	21.62	24.16	26.70	31.78

UNIT:MM

MECHANICAL

1. Operation Force:8N Max
2. Stroke:1.0mm
3. Operation Temp:-40℃~+90℃
4. Storage Temp: -40℃~+90℃

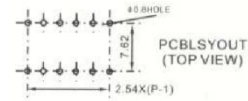
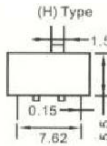
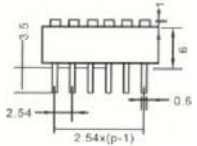
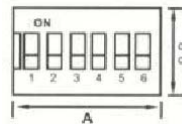
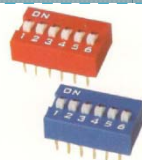
ELECTRICAL

1. Electrical Life:2000operations cycles per switch 24 VDC,25mA
2. Non-Switching Rating:100 mA,50VDC
3. Switching rating: 25mA, 24 VDC
4. Contact resistance: (a)50m Ω max.at initial(b)118~132 m Ω max.after life test
5. Insulation Resistance:100M Ω ,500VDC
6. Dielectric Strength:50Hz 500 VAC/1minute
7. Capacitance:5pF max
8. Circuit:Single pole single throw

SOLDERING AND CLEANING

PROCESSES

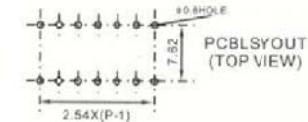
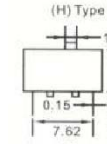
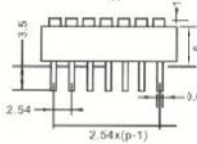
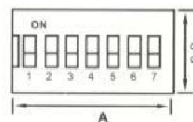
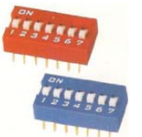
1. Keep all switch contacts in their "OFF"position for all operations
2. WAVY SOLDERING:Recommended Solder Temperature at 500° F(260℃) max.5 seconds
3. HAND SOLDERING:Use a soldering iron of 30 watts,controlled at 608° F(320℃) approximately 2 seconds while applying solder
4. CLEANING PROCESS:Flux clean using force finse,high agitation of triple bath cleaning method.Freon TF or TE give excellent results. When vapor methods are used do not subject the switch to solvents at temperature above 125° F (51°)



DS-06

POSITIONS	2	3	4	5	6	7	8	9	10	12
A	6.38	8.92	11.47	14.00	16.54	19.28	21.62	24.16	26.70	31.78

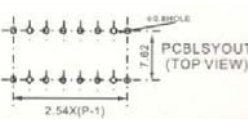
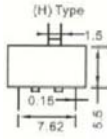
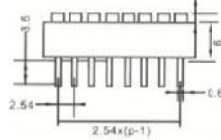
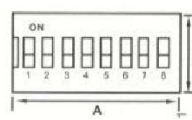
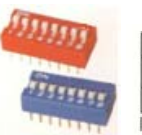
UNIT:MM



DS-07

POSITIONS	2	3	4	5	6	7	8	9	10	12
A	6.38	8.92	11.47	14.00	16.54	19.28	21.62	24.16	26.70	31.78

UNIT:MM



DS-08

POSITIONS	2	3	4	5	6	7	8	9	10	12
A	6.38	8.92	11.47	14.00	16.54	19.28	21.62	24.16	26.70	31.78

UNIT:MM



MECHANICAL

1. Operation Force:8N Max
2. Stroke:1.0mm
3. Operation Temp:-40℃~+90℃
4. Storage Temp: -40℃~+90℃



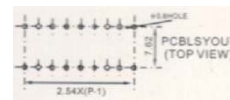
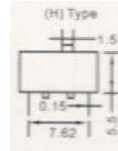
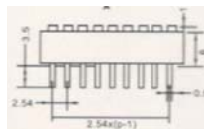
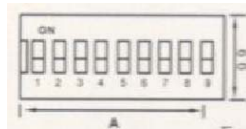
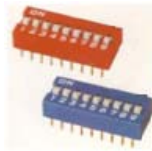
ELECTRICAL

1. Electrical Life:2000operations cycles per switch 24 VDC,25mA
2. Non-Switching Rating:100 mA,50VDC
3. Switching rating: 25mA, 24 VDC
4. Contact resistance: (a)50m Ω max.at initial(b)118~132 m Ω max.after life test
5. Insulation Resistance:100M Ω ,500VDC
6. Dielectric Strength:50Hz 500 VAC/1minute
7. Capacitance:5pF max
8. Circuit:Single pole single throw

SOLDERING AND CLEANING

PROCESSES

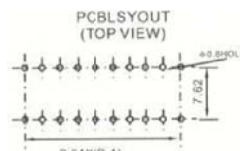
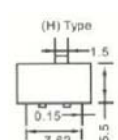
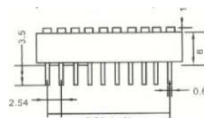
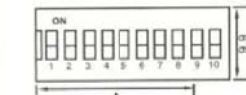
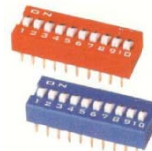
1. Keep all switch contacts in their "OFF" position for all operations
2. WAV SOLDERING:Recommended Solder Temperature at 500° F(260℃) max.5 seconds
3. HAND SOLDERING:Use a soldering iron of 30 watts,controlled at 608° F(260℃) approximately 2 seconds while applying solder
4. CLEANING PROCESS:Flux clean using force finse,high agitation of triple bath cleaning method.Freon TF or TE give excellent results. When vapor methods are used do not subject the switch to solvents at temperature above 125° F (51°)



DS-09

POSITIONS	2	3	4	5	6	7	8	9	10	12
A	6.38	8.92	11.47	14.00	16.54	19.28	21.62	24.16	26.70	31.78

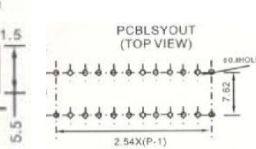
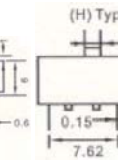
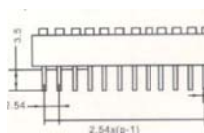
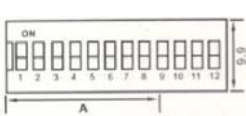
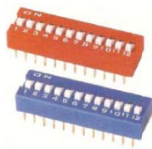
UNIT:MM



DS-10

POSITIONS	2	3	4	5	6	7	8	9	10	12
A	6.38	8.92	11.47	14.00	16.54	19.28	21.62	24.16	26.70	31.78

UNIT:MM



DS-12

POSITIONS	2	3	4	5	6	7	8	9	10	12
A	6.38	8.92	11.47	14.00	16.54	19.28	21.62	24.16	26.70	31.78

UNIT:MM

MECHANICAL

1. Operation Force:8N Max
2. Stroke:1.0mm
3. Operation Temp:-40℃~+90℃
4. Storage Temp: -40℃~+90℃

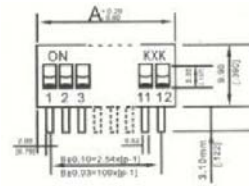
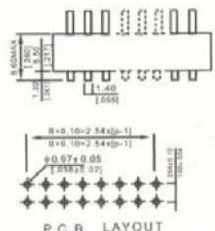
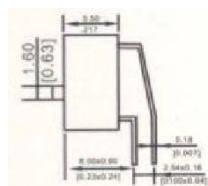
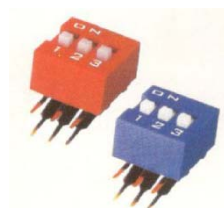
ELECTRICAL

1. Electrical Life:2000operations cycles per switch 24 VDC,25mA
2. Non-Switching Rating:100 mA,50VDC
3. Switching rating: 25mA, 24 VDC
4. Contact resistance: (a)50m Ω max.at initial(b)118~132 m Ω max.after life test
5. Insulation Resistance:100M Ω ,500VDC
6. Dielectric Strength:50Hz 500 VAC/1minute
7. Capacitance:5pF max
8. Circuit:Single pole single throw

SOLDERING AND CLEANING

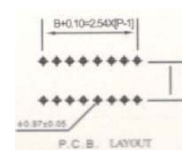
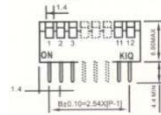
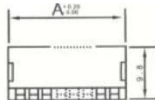
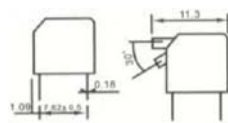
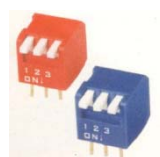
PROCESSES

1. Keep all switch contacts in their "OFF"position for all operations
2. WAV SOLDERING:Recommended Solder Temperature at 500° F(260℃) max.5 seconds
3. HAND SOLDERING:Use a soldering iron of 30 watts,controlled at 608° F(260℃) approximately 2 seconds while applying solder
4. CLEANING PROCESS:Flux clean using force finse,high agitation of triple bath cleaning method.Freon TF or TE give excellent results. When vapor methods are used do not subject the switch to solvents at temperature above 125° F (51°)

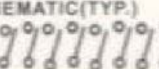


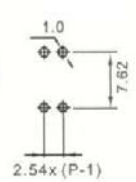
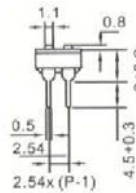
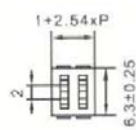
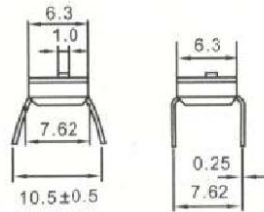
DA-03

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DA-03	3	9.08[.385]
DA-04	4	11.62[.458]
DA-05	5	14.16[0558]
DA-06	6	16.70[.658]
DA-07	7	19.24[.758]
DA-08	8	21.78[.858]
DA-09	9	24.32[.958]
DA-10	10	26.86[1.58]
DA-12	12	31.94[1.258]
SCHEMATIC(TYP.) 		

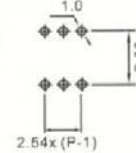
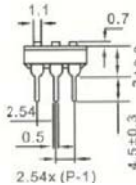
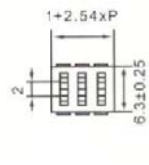
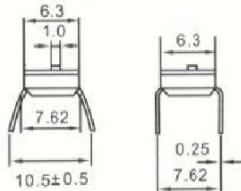
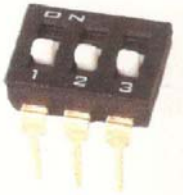


DP-03

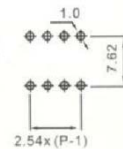
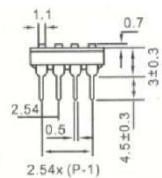
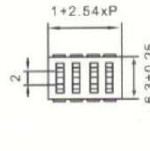
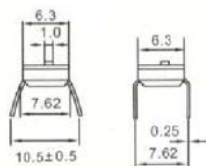
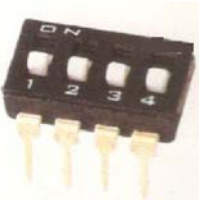
PROD.NO	NO OF POS	MIN.A
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DP-03	3	9.08
DP-04	4	11.62
DP-05	5	14.16
DP-06	6	16.70
DP-07	7	19.24
DP-08	8	21.78
DP-10	10	26.86
DP-12	12	31.94
SCHEMATIC(TYP.) 		



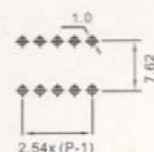
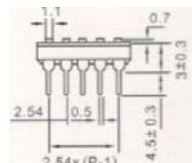
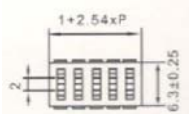
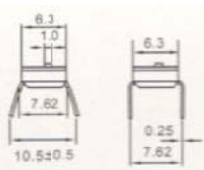
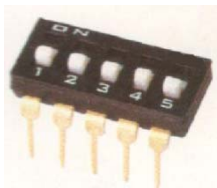
KI-02H



KI-03H



KI-04H



KI-05H

MECHANICAL

1. Operation Force: 8N Max
2. Stroke: 1.0mm
3. Operation Temp: -40°C ~ +90°C
4. Storage Temp: -40°C ~ +90°C

ELECTRICAL

1. Electrical Life: 2000 operations cycles per switch 24 VDC, 25mA
2. Non-Switching Rating: 100 mA, 50VDC
3. Switching rating: 25mA, 24 VDC
4. Contact resistance: (a) 50m Ω max. at initial (b) 118~132 m Ω max. after life test
5. Insulation Resistance: 100M Ω , 500VDC
6. Dielectric Strength: 50Hz 500 VAC/1minute
7. Capacitance: 5pF max
8. Circuit: Single pole single throw

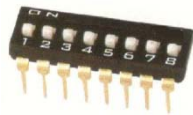
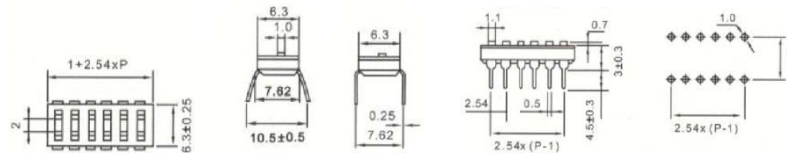
SOLDERING AND CLEANING

PROCESSES

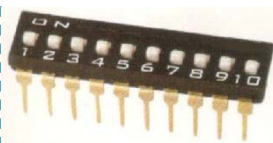
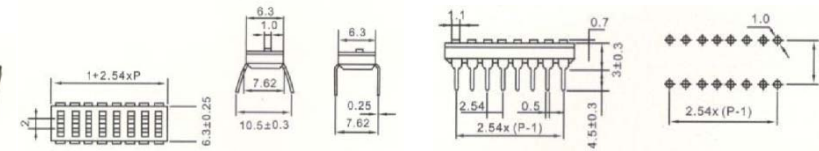
1. Keep all switch contacts in their "OFF" position for all operations
2. WAV SOLDERING: Recommended Solder Temperature at 500° F (260°C) max. 5 seconds
3. HAND SOLDERING: Use a soldering iron of 30 watts, controlled at 608° F (260°C) approximately 2 seconds while applying solder
4. CLEANING PROCESS: Flux clean using force finse, high agitation of triple bath cleaning method. Freon TF or TE give excellent results. When vapor methods are used do not subject the switch to solvents at temperature above 125° F (51° C)



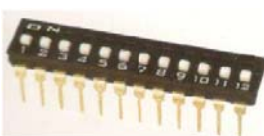
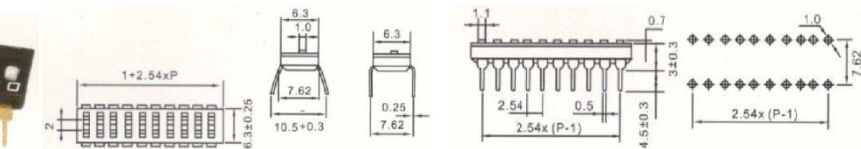
KI-06H



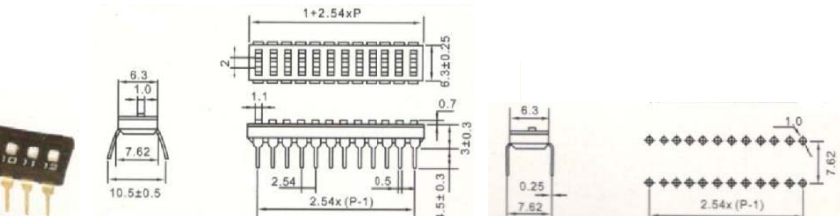
KI-08



KI-10H



KI-12H



MECHANICAL

1. Operation Force: 8N Max
2. Stroke: 1.0mm
3. Operation Temp: -40°C ~ +90°C
4. Storage Temp: -40°C ~ +90°C

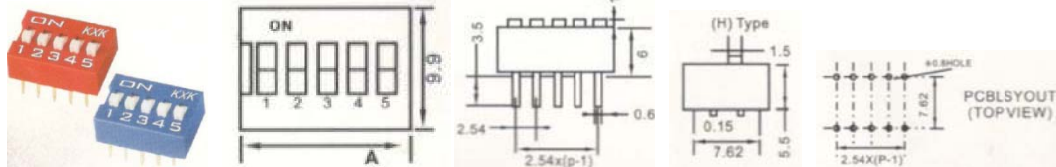
ELECTRICAL

1. Electrical Life: 2000 operations cycles per switch 24 VDC, 25mA
2. Non-Switching Rating: 100 mA, 50VDC
3. Switching rating: 25mA, 24 VDC
4. Contact resistance: (a) 50mΩ max. at initial (b) 118~132 mΩ max. after life test
5. Insulation Resistance: 100MΩ, 500VDC
6. Dielectric Strength: 50Hz 500 VAC/1minute
7. Capacitance: 5pF max
8. Circuit: Single pole single throw

SOLDERING AND CLEANING

PROCESSES

1. Keep all switch contacts in their "OFF" position for all operations
2. WAV SOLDERING: Recommended Solder Temperature at 500° F (260°C) max. 5 seconds
3. HAND SOLDERING: Use a soldering iron of 30 watts, controlled at 608° F (260°C) approximately 2 seconds while applying solder
4. CLEANING PROCESS: Flux clean using force finse, high agitation of triple bath cleaning method. Freon TF or TE give excellent results. When vapor methods are used do not subject the switch to solvents at temperature above 125° F (51°)



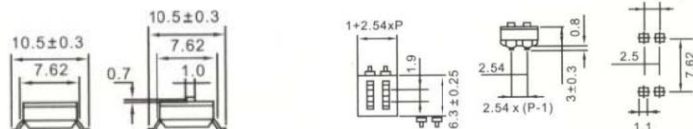
DS-05

POSITIONS	2	3	4	5	6	7	8	9	10	12
A	6.38	8.92	11.47	14.00	16.54	19.28	21.62	24.16	26.70	31.78

UNIT:MM



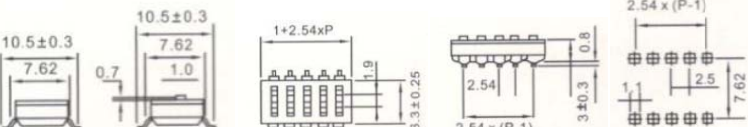
KM-02



KM-04



KM-05



MECHANICAL

1. Operation Force:8N Max
2. Stroke:1.0mm
3. Operation Temp:-40℃~+90℃
4. Storage Temp: -40℃~+90℃

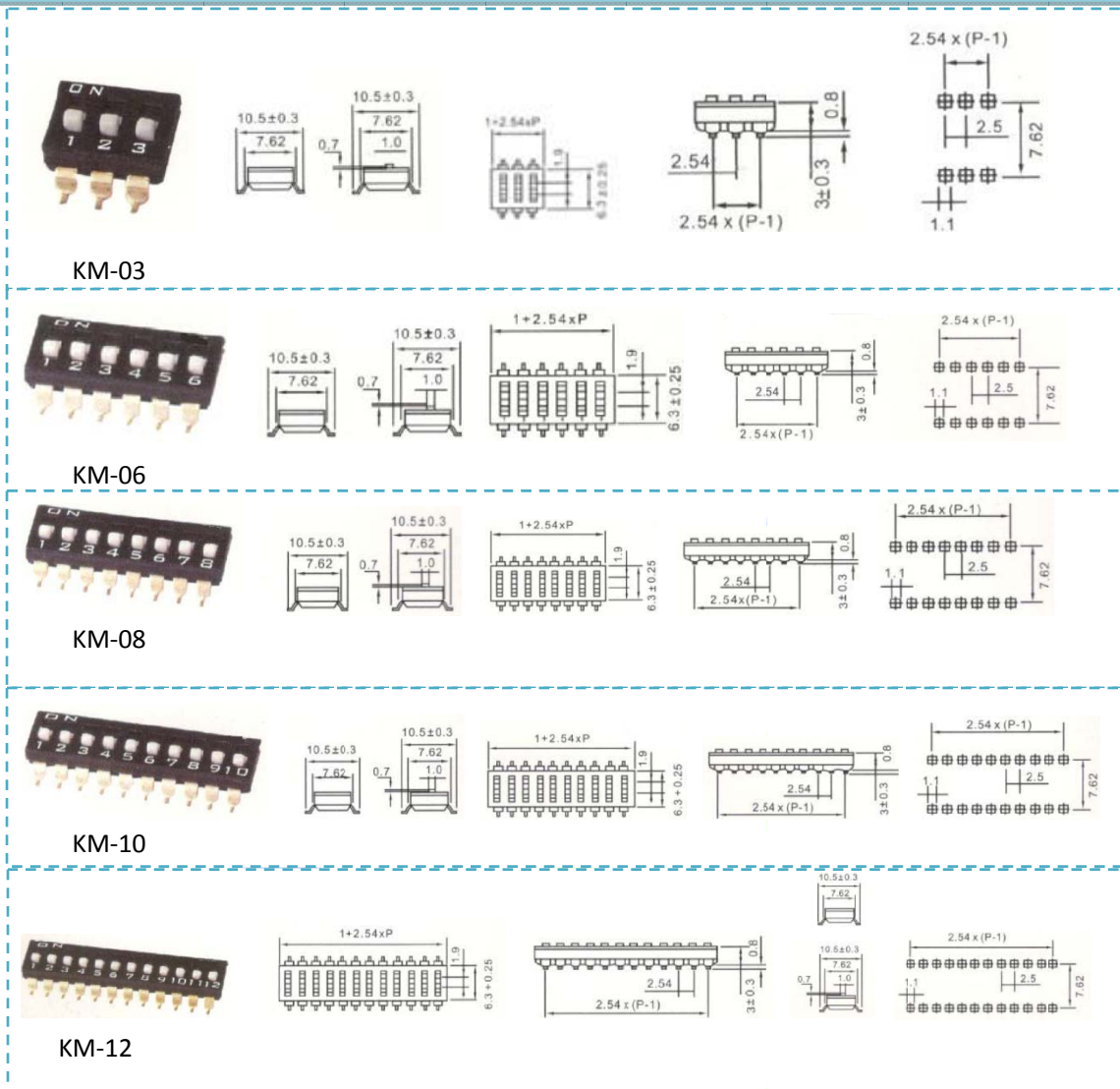
ELECTRICAL

1. Electrical Life:2000operations cycles per switch 24 VDC,25mA
2. Non-Switching Rating:100 mA,50VDC
3. Switching rating: 25mA, 24 VDC
4. Contact resistance: (a)50m Ω max.at initial(b)118~132 m Ω max.after life test
5. Insulation Resistance:100M Ω ,500VDC
6. Dielectric Strength:50Hz 500 VAC/1minute
7. Capacitance:5pF max
8. Circuit:Single pole single throw

SOLDERING AND CLEANING

PROCESSES

1. Keep all switch contacts in their "OFF" position for all operations
2. WAV SOLDERING:Recommended Solder Temperature at 500° F(260℃) max.5 seconds
3. HAND SOLDERING:Use a soldering iron of 30 watts,controlled at 608° F(320℃) approximately 2 seconds while applying solder
4. CLEANING PROCESS:Flux clean using force finse,high agitation of triple bath cleaning method.Freon TF or TE give excellent results. When vapor methods are used do not subject the switch to solvents at temperature above 125° F (51°)



MECHANICAL

1. Operation Force: 8N Max
2. Stroke: 1.0mm
3. Operation Temp: -40°C~+90°C
4. Storage Temp: -40°C~+90°C

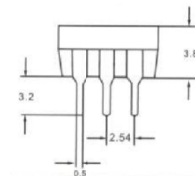
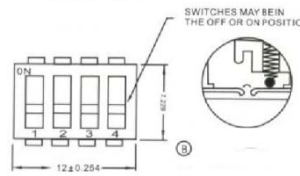
ELECTRICAL

1. Electrical Life: 2000 operations cycles per switch 24 VDC, 25mA
2. Non-Switching Rating: 100 mA, 50VDC
3. Switching rating: 25mA, 24 VDC
4. Contact resistance: (a) 50m Ω max. at initial (b) 118~132 m Ω max. after life test
5. Insulation Resistance: 100M Ω, 500VDC
6. Dielectric Strength: 50Hz 500 VAC/1minute
7. Capacitance: 5pF max
8. Circuit: Single pole single throw

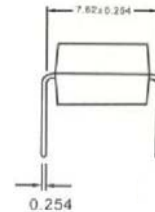
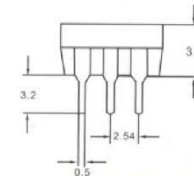
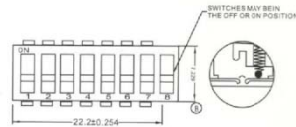
SOLDERING AND CLEANING

PROCESSES

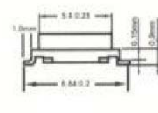
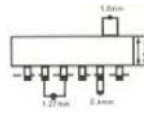
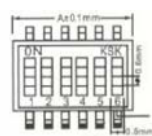
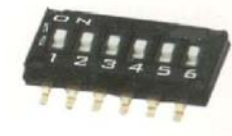
1. Keep all switch contacts in their "OFF" position for all operations
2. WAVE SOLDERING: Recommended Solder Temperature at 500° F (260°C) max. 5 seconds
3. HAND SOLDERING: Use a soldering iron of 30 watts, controlled at 608° F (320°C) approximately 2 seconds while applying solder
4. CLEANING PROCESS: Flux clean using force finse, high agitation of triple bath cleaning method. Freon TF or TE give excellent results. When vapor methods are used do not subject the switch to solvents at temperature above 125° F (51°)



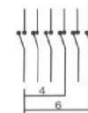
KIW-04



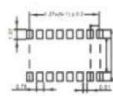
KIW-08



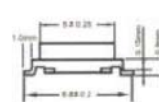
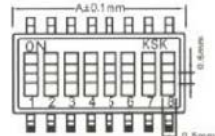
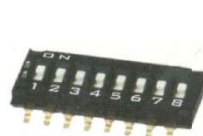
P.C.B Layout & circuitry(mm)



KOP-06

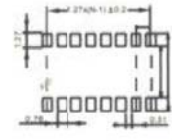
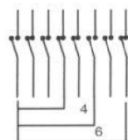


PROD.NO	NO.OF POS	DIM.A
KOP-02	2	3.68
KOP-04	4	6.2
KOP-06	6	8.76
KOP-08	8	12.3



KOP-08

P.C.B Layout & circuitry(mm)



PROD.NO	NO.OF POS	DIM.A
KOP-02	2	3.68
KOP-04	4	6.2
KOP-06	6	8.76
KOP-08	8	12.3

Specifications(Белые)

✧ MECHANICAL

1. Must be easily soldered SER S61-15-00.
2. Material U.I Rated 94V-0FOR Flammability.
3. Operating Temperatur range;:15℃ TO +80℃

✧ ELECTRICAL

1. Insulation Resistance:1x10⁹OHM Min.at 100VDC
2. Contact Resistance:≤100 OHMS @50VDC,10Ma open circuit
3. Switching Current:1mA MIN AT 5V 100mA Min at 20V

4.Dielectrc with standing Volatage:500VDC Min at One Atmosphere..

5.Humiditv:95% R.H.at 40℃ for 96 Hours

6. Life Test :1000 cycles switching 25 mA at 24V Resistor load.

Contact Resistance after test;300 mA OHM Max.

✧ MECHANICAL

1. Operation Force: 8N Max
2. Stroke: 0.5mm
3. Operation Temp: -40°C ~ +85°C
4. Storage Temp: -40°C ~ +85°C

✧ ELECTRICAL

1. Electrical Life: 1000 operations cycles per switch 24 VDC, 25mA
2. Non-Switching Rating: 100 mA, 50VDC
3. Switching rating: 25mA, 24 VDC
4. Contact resistance: (a) 50m Ω max. at initial (b) 118~132 m Ω max. after life test
5. Insulation Resistance: 100M Ω , 100VDC
6. Dielectric Strength: 50Hz 300 VAC/1minute
7. Circuit: Single pole single throw

SOLDERING AND CLEANING

PROCESSES

1. Keep all switch contacts in their "OFF" position for all operations

2. WAVE SOLDERING: Recommended Solder

Temperature at 40°C max. 20 seconds

3. HAND SOLDERING: Use a soldering iron of 30 watts, controlled at 350°C approximately 3 seconds while applying solder

4. CLEANING PROCESS: Flux clean using force finse, high agitation of triple bath cleaning method. Freon TF or TE give excellent results.

When vapor methods are used do not subject the switch to solvents at temperature above 125° F (51°)