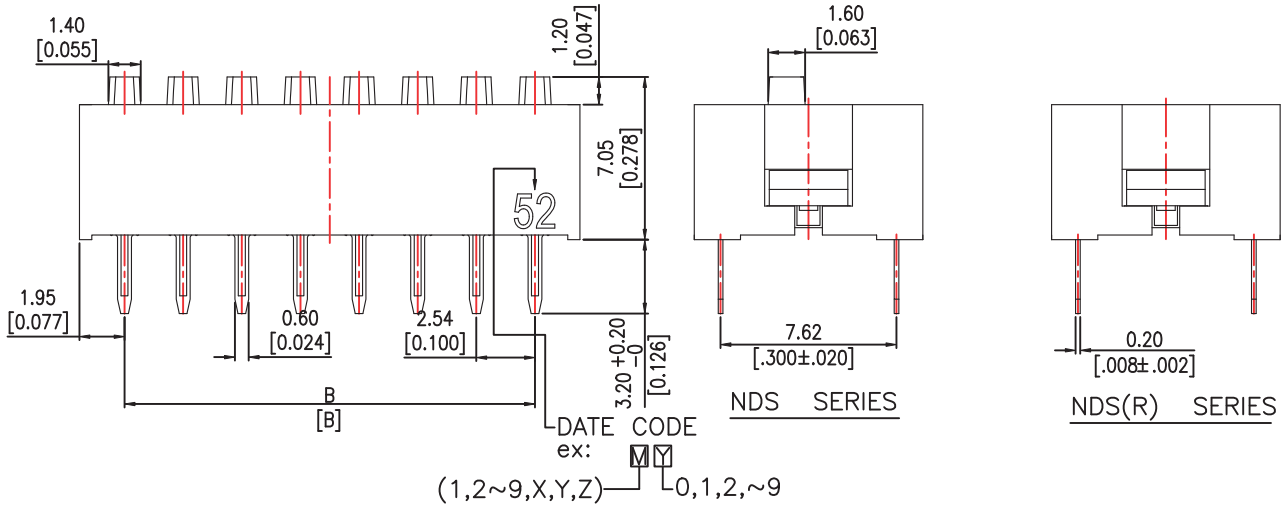
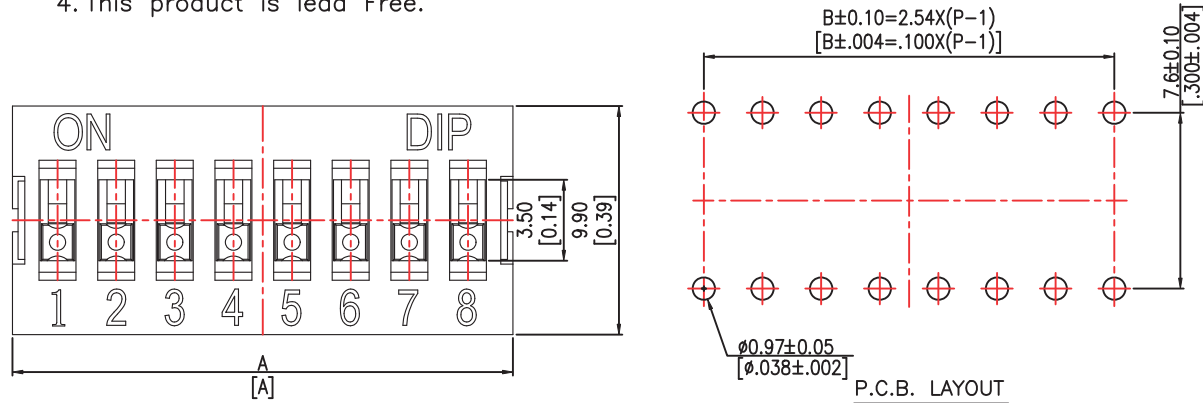
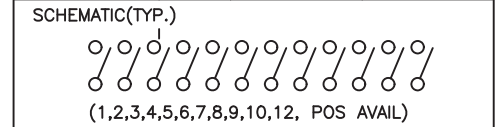


- NOTE:** 1. ALL DIMENSIONS ARE IN MILLIMETERS, BRACKETED DIMENSIONS ARE IN INCHES.
 2. GENERAL TOLERANCES: 10mm OVER - ± 0.20 mm.
 10mm BELOW - ± 0.10 mm.
 3. MATERIAL: SEE PAGE 3 OF 3.
 4. This product is lead Free.



附表A

DS(R)-12-V	12	31.84[1.254]	27.94[1.100]
DS(R)-10-V	10	26.76[1.054]	22.86[.900]
DS(R)-09-V	9	24.22[.954]	20.32[.800]
DS(R)-08-V	8	21.68[.854]	17.78[.700]
DS(R)-07-V	7	19.14[.754]	15.24[.600]
DS(R)-06-V	6	16.60[.654]	12.70[.500]
DS(R)-05-V	5	14.06[.554]	10.16[.400]
DS(R)-04-V	4	11.52[.454]	7.62[.300]
DS(R)-03-V	3	8.98[.354]	5.08[.200]
DS(R)-02-V	2	6.44[.254]	2.54[.100]
PROD. NO.	NO. OF POS.	DIM. A	DIM. B



TITLE 圖名		SLIDE TYPE DIP SWITCH		SIZE 圖紙	A4
DWG NO. 圖號		DS - 00 - V SERIES		UNIT 單位	inch mm
REV. 版本	A	DATE 日期	APR - 08 - 2013	SHEET 張數	1 of 1
CHECKED BY 審核	RICHARD		DRAWN BY 製圖	IRENE	

符號	原尺寸	修改後尺寸	變更日期	SCALE (比例): 1:5
1 (A)				FILE NAME : Y1288
2 (B)				
3 (C)				
4 (D)				
5 (E)				

NDS(R)-V 產品規格書

文件編號： E-V-AD18
 版次： A
 頁次： 1 / 3

一、產品型態：

本規格書是描述"指撥式開關"，一般之機械特性與電氣特性，而該指撥式開關主要是用來作為訊號開關之電子裝置。

1. 使用之溫度範圍：-40°C ~ +85°C
2. 儲存之溫度範圍：-40°C ~ +85°C
3. 產品保存期限：6 個月內。

二、額定電流：

1. 當開關之設定已固定不再作任何切換，而使電流常處於一平穩的通電狀態時，則額定電流為：100mA, 50 V DC。
2. 當開關的設定不固定常需作任意切換，而使電流常處於一脈衝狀態時，則額定電流為：25mA, 24 V DC。

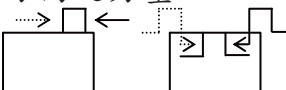
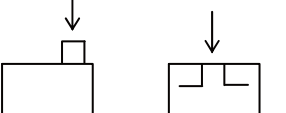
三、操作類型：指撥滑動。

四、測試項目：

特性	項次	測試種類	測 試 條 件	測 試 要 求
電 氣	1	目視檢查	在未施加任何外力及試驗前，以目視方式檢測	產品的外觀不能有影響產品功能之不良缺點
	2	接觸阻抗	①測定通路，在開關的兩極端測量端子間的接觸阻抗值 ②測定時以 1KHZ 規格的微電流阻抗計測量之	接觸阻抗的初值不得高於50mΩ
	3	絕緣阻抗	直流電壓 500V, 1 分鐘±5 秒	絕緣阻抗不得低於 100MΩ
特	4	耐電壓	以 500V 的交流電(50Hz 或 60Hz 近似正弦波電壓)，施於兩相鄰端子與底座間，並保持 1 分鐘之加壓狀態後，檢查是否能耐該值	成品不得有故障，跳火及絕緣體破壞等不良現象
性	5	靜電容量	在頻率 1MHZ±10KHZ 下，測量電容含值	該電容值需 5pF 以下

DS(R)-V 產品規格書

文件編號： E-V-AD18
 版次： A
 頁次： 2 / 3

機	6	作動力	如圖所示,各箭頭方向即為測定推鈕操作方向之力量 ON→OFF  OFF→ON	1000gf Max (9.8N Max)				
	7	操作部度	以 1kgf(9.8N)的靜態荷重施於操作方向測定,操作時間 15 秒 以 5kgf(49N)的靜態荷重施於推鈕上方,操作時間 15 秒 	操作部不得變形及機械的功能發生故障或損壞 電氣特性功能不得發生故障或損壞				
械	8	抗鍍錫熱	鍍溫： <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">溫度</td> <td style="text-align: center;">時間</td> </tr> <tr> <td style="text-align: center;">260±5°C</td> <td style="text-align: center;">5±1 秒</td> </tr> </table> (PCB 厚度為 1.6mm)	溫度	時間	260±5°C	5±1 秒	受測後的成品仍需符合前述 2~6 測試項規格的要求
	溫度	時間						
260±5°C	5±1 秒							
特	9	振動測試	請依照 MIL-STD-202F, 201A 所規定之方法做測試 ① 頻率:10-55-10Hz 的頻率循環測試,週期 1 分鐘 ② 振動方向:以 X, Y, Z 三軸向,包含推鈕操作之方向 ③ 測試時間:每一方向 2 小時	受測後之成品仍需符合前述 2~6 測試項規格的要求				
	10	衝擊試驗	請依照 MIL-STD-202F, 213B 條件 A 所規定之方法做測試 ① 加速度:50G ② 測定時間:11±1 毫秒 ③ 受測方向:以成品全周,三軸六個方向做測試 ④ 受測次數:每一方向 3 次	受測後之成品仍需符合前述 2~6 測試項規格的要求				
性	11	沾錫性	① NDS(R)-V 鍍溫:245±5°C 鍍錫規格:M705E JIS Z 3282 A 級 (錫 96.5%,銀 3%,銅 0.5%) ② 助鍍劑:5-10 秒 ③ 浸錫時間:5±1 秒	鍍金/錫面不能有拒鍍現象 沾錫面積占總面積 75%以上				

DS(R)-V 產品規格書

文件編號： E-V-AD18
 版次： A
 頁次： 3 / 3

耐 久 性	12	壽命測試	測試時需依照下列所設定情況 ①施以 25mA, 24V 之直流電 ②作動速度：15~20 回/Min ③受測次數：2000 回	①受測後之成品仍需符合前述 3.4 測試項規格之要求 ②經過測試後之接觸阻抗值不得高於 100mΩ
	13	耐寒性	請依照下列所設定的條件測試後.並於常溫常濕中放置 1 小時後測定 ①受測溫度：-40±3°C ②受測時間：96 小時	受測後之成品仍需符合前述 2~6 測試項規格之要求
	14	耐熱性	請依照下列所設定的條件測試後.並於常溫常濕中放置 1 小時後測定 ①受測溫度：85±2°C ②受測時間：96 小時	①受測後之成品仍需符合前述 3~6 測試項規格之要求 ②經過測試後之接觸阻抗值不得高於 100mΩ
候 性	15	耐濕性	請依照下列所設定的條件測試後.並於常溫常濕中放置 1 小時後測定 ①受測溫度：40±2°C ②相對濕度：90-95% ③受測時間：96 小時	①受測後之成品仍需符合前述 4~6 測試項規格之要求 ②經過測試後之接觸阻抗值不得高於 100mΩ ③受測後之絕緣阻抗不得低於 10MΩ

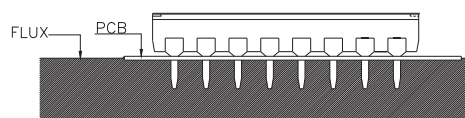
五、 鐳錫條件

■ 手工鐳錫：

鐳錫溫度	350°C 以下
連續鐳錫時間	5 秒以下

■ 處理時注意事項：

1. 在 P.C. 板面上之助鐳劑，不要黏到開關本身。
2. 除了有貼 TAPE 的產品形式，可使用沖洗式清洗外；其它則不可洗到開關本身。
3. 本產品請於 OFF 位置進行過錫爐、補焊等高溫作業，若不慎置於 ON 位置進行作業時，可能造成操作力下降及阻值升高等現象發生。
4. 若使用 FLUX 為發泡式，則要管制其發泡面高度，不可超過已放置 SW 的 PCB 表面，如果 FLUX 發泡面超過 PCB 表面，可能會侵入 SW 內部，會變成導通不良原因



DS(R)-V SPECIFICATION

FILE No.	: E-V-AD18
REV.	: A
Page	: 1 / 3

1. Style:

This specification describes "DUAL IN-LINE PACKAGE SWITCHES" mainly used as signal switch of electric devices with the general requirements of mechanical and electrical characteristics.

1.1 Operating Temperature Range : -40°C ~ +85°C

1.2 Storage Temperature Range : -40°C ~ +85°C

1.3 The shelf life of product is within 6 months.

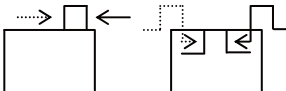
2. Current Range:

2.1 Non-Switching : 100mA, 50V DC

2.2 Switching : 25mA , 24V DC

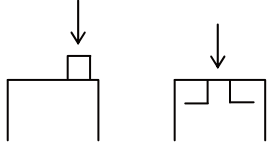
3. Type of Actuation: Actuated by sliding

4. Test Sequence :

	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
ELECTRIC PERFORMANCE	1	Visual Examination	By visual examination check without any out pressure & testing.	There shall be no defects that affect the serviceability of the product.
	2	Contact Resistance	①To be measured between the two terminals associated with each switch pole. ②Measurements shall be made with a 1kHz shall current contact resistance meter.	50mΩ Max. (initial)
	3	Insulation Resistance	500V DC, 1 minute ± 5 sec.	100MΩ Min.
	4	Dielectric withstanding Voltage	500V AC (50Hz or 60 Hz) shall be applied between all the adjacent terminals and between the terminal and the frame for 1 minute.	There shall be no breakdown or flashover.
	5	Capacitance	1 MHz ± 10 kHz	5 pF Max.
MECHANICAL PERFORMANCE	6	Operation Force	Applied in the direction of operation. ON→OFF OFF→ON 	1000gf Max (9.8N Max)

DS(R)-V SPECIFICATION

FILE No. : E-V-AD18
 REV. : A
 Page : 2 / 3

MECHANICAL PERFORMANCE	7	Stop Strength	<p>A static load of 1 kgf (9.8N) is applied in the operating direction and pulling direction operated for a period of 15 seconds.</p> <p>A static load of 5 kgf (49N) to apply on stem top position for a period of 15 seconds.</p> <div style="text-align: center;">  </div>	<p>There shall be no sign of damage mechanically</p> <p>There shall be no sign of electrical function out of order or damage.</p>				
	8	Soldering Heat Resistance	<p>Soldering Temperature :</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">TEMP</th> <th style="padding: 5px;">TIME</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">260°C±5°C</td> <td style="text-align: center; padding: 5px;">5±1 sec.</td> </tr> </tbody> </table> <p>(PCB is 1.6mm in thickness.)</p>	TEMP	TIME	260°C±5°C	5±1 sec.	As shown in item 2~6
	TEMP	TIME						
	260°C±5°C	5±1 sec.						
	9	Vibration	<p>Shall be vibrated in accordance with Method 201A of MIL-STD-202F</p> <p>①Frequency: 10-55-10 Hz 1 min/cycle. ②Direction: 3 vertical directions including the direction of operation. ③Test Time: 2 hours each direction.</p>	As shown in item 2~6				
10	Shock	<p>Shall be shocked in accordance with Method 213B condition A of MIL-STD-202F</p> <p>①Acceleration: 50G. ②Action Time : 11 ± 1 m sec. ③Testing Direction: 6 sides. ④Test cycle : 3 times in each direction</p>	As shown in item 2~6					
11	Solderability	<p>①NDS(R)-V Soldering Temperature:245±3°C Lead-Free solder : M705E JIS Z 3282 Class A (Tin 96.5% , Silver 3% , Copper 0.5%) ②Flux: 5-10 seconds. ③Duration of solder Immersion: 5±1 sec.</p>	No anti-soldering and the coverage of dipping into solder must more than 75% was requested.					
DURABILITY	12	Operation Life	<p>Measurements shall be made following the test set forth below:</p> <p>①25 mA, 24V DC resistive load ②Rate of Operation: 15~20 cycles/ minute ③Cycle of Operation: 2000 cycles.</p>	<p>① As shown in item 3,4 ②Contact Resistance: 100mΩ Max. (final-after test)</p>				

DS(R)-V SPECIFICATION

FILE No.	: E-V-AD18
REV.	: A
Page	: 3 / 3

WEATHER-PROOF	13	Resistance Low Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made : ①Temperature : $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ ②Time: 96 hours	As shown in item 2~6
	14	Resistance High Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made : ①Temperature : $85^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ②Time: 96 hours	①As shown in item 3~6 ②Contact Resistance: 100mΩ Max.
	15	Resistance Humidity	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made : ①Temperature : $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ②Relative Humidity : 90~95% ③Time: 96 hours	①As shown in item 4,6 ②Contact Resistance: 100mΩ Max. ③Insulation Resistance : 10MΩ Min.

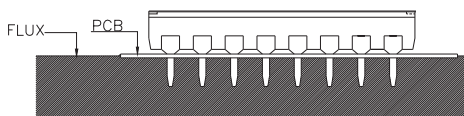
5. SOLDERING CONDITIONS:

■ Manual Soldering

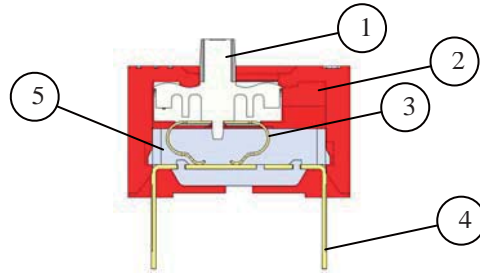
Soldering Temperature	Max.350°C
Continuous Soldering Time	Max. 5 seconds

■ Precautions in Handling

1. Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.
2. Don't clean the switch body except with top tape sealed type, which can only spray of cleaning method from top of s/w.
3. Must set all poles of switch in "OFF" position when high temp of soldering, re-soldering...etc. In case careless to set in "ON" position for about processing will cause operation force decreasing & contact resistance increasing.
4. Please make sure that there is no flux rose over the surface of the PCB



ITEM	DESC.	Q'TY	MATERIALS	TREATMENT	REMARK
1.	ACTUATOR		THERMOPLASTIC PBT UL 94V-0	WHITE	
2.	COVER	1	THERMOPLASTIC PBT UL 94V-0	RED	
3.	CONTACT		PHOSPHOR BRONZE	GOLD PLATED	
4.	TERMINAL		BRONZE	GOLD PLATED	
5.	BASE	1	THERMOPLASTIC PA66 20% UL 94V-0	BLACK	



REMARK:

① PROD. NO.: DS □ - □ □ □ - □ - V

Actuator Type:

□ = Raised Actuator

R = Recessed Actuator

Number Of Position :

- 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 .

Lead Free Solderable

Seal:

□ = Regular

T = Top Tape Sealed

Color of Cover:

□ = Red

B = Blue

K = Black

A	DWG.RE L	
REV.	ECO. NO.	APPD.

TITLE :	APPD. :
SLIDE TYPE DIP SWITCHES	CHKD. :
PRROD.NO.: DS(R)-□□-□-V	PR. : PAGGY
FILE NO.: E-V-CD21	REV : A SHEET :1of1

一、產品型態：

本規格書是描述"指撥式開關"，一般之機械特性與電氣特性，而該指撥式開關主要是用來作為訊號開關之電子裝置。

1. 使用之溫度範圍： $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
2. 儲存之溫度範圍： $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
3. 產品保存期限：6 個月內。

二、額定電流：

1. 當開關之設定已固定不再作任何切換，而使電流常處於一平穩的通電狀態時，則額定電流為：100mA, 50 V DC。
2. 當開關的設定不固定常需作任意切換，而使電流常處於一脈衝狀態時，則額定電流為：25mA, 24 V DC。

三、操作類型：指撥滑動。**四、測試項目：**

特性	項次	測試種類	測 試 條 件	測 試 要 求
電 氣	1	目視檢查	在未施加任何外力及試驗前，以目視方式檢測	產品的外觀不能有影響產品功能之不良缺點
	2	接觸阻抗	①測定通路，在開關的兩極端測量端子間的接觸阻抗值 ②測定時以 1KHZ 規格的微電流阻抗計測量之	接觸阻抗的初值不得高於 50mΩ
	3	絕緣阻抗	直流電壓 500V, 1 分鐘±5 秒	絕緣阻抗不得低於 100MΩ
特	4	耐電壓	以 500V 的交流電(50Hz 或 60Hz 近似正弦波電壓)，施於兩相鄰端子與底座間，並保持 1 分鐘之加壓狀態後，檢查是否能耐該值	成品不得有故障，跳火及絕緣體破壞等不良現象
性	5	靜電容量	在頻率 1MHZ±10KHZ 下，測量電容含值	該電容值需 5pF 以下

耐 候 性	12	壽命測試	測試時需依照下列所設定情況 ①施以 25mA, 24V 之直流電 ②作動速度：15~20 回/Min ③受測次數：2000 回	①受測後之成品仍需符合前述 3.4 測試項規格之要求 ②經過測試後之接觸阻抗值不得高於 100mΩ
	13	耐寒性	請依照下列所設定的條件測試後.並於常溫常濕中放置 1 小時後測定 ①受測溫度：-40±3°C ②受測時間：96 小時	受測後之成品仍需符合前述 2~6 測試項規格之要求
	14	耐熱性	請依照下列所設定的條件測試後.並於常溫常濕中放置 1 小時後測定 ①受測溫度：85±2°C ②受測時間：96 小時	①受測後之成品仍需符合前述 3~6 測試項規格之要求 ②經過測試後之接觸阻抗值不得高於 100mΩ
15	耐濕性	請依照下列所設定的條件測試後.並於常溫常濕中放置 1 小時後測定 ①受測溫度：40±2°C ②相對濕度：90-95% ③受測時間：96 小時	①受測後之成品仍需符合前述 4~6 測試項規格之要求 ②經過測試後之接觸阻抗值不得高於 100mΩ ③受測後之絕緣阻抗不得低於 10MΩ	

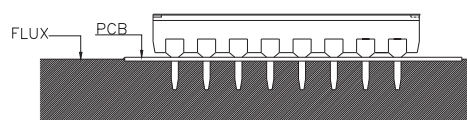
五、 鐳錫條件

■ 手工鐳錫：

鐳錫溫度	350°C 以下
連續鐳錫時間	5 秒以下

■ 處理時注意事項：

1. 在 P.C. 板面上之助鐳劑，不要黏到開關本身。
2. 除了有貼 TAPE 的產品形式，可使用沖洗式清洗外；其它則不可洗到開關本身。
3. 本產品請於 OFF 位置進行過錫爐、補焊等高溫作業，若不慎置於 ON 位置進行作業時，可能造成操作力下降及阻值升高等現象發生。
4. 若使用 FLUX 為發泡式，則要管制其發泡面高度，不可超過已放置 SW 的 PCB 表面，如果 FLUX 發泡面超過 PCB 表面，可能會侵入 SW 內部，會變成導通不良原因



■ 儲存條件的注意事項：

當物品被儲存於以下的情形與條件它可能會影響產品功能變差及吃錫性等..

應避免儲存於下列情形

1. 溫度在-10(max)~+40(min)&濕度在 85%(min)的地方
2. 在有腐蝕性氣體的地方
3. 長時間儲存至少 6 個月
4. 陽光直接照射的地方

*以包裝的狀態儲存以避免重力承載

*請儘快使用我們建議 3 個月之內最多 6 個月內使用完畢

*打開包裝後, 要將未使用完剩餘產品存放在適當的防潮&密閉環境中

DS(R)-V SPECIFICATION

FILE No.	:	E-V-AD18
REV.	:	A
Page	:	1 / 4

1. Style:

This specification describes "DUAL IN-LINE PACKAGE SWITCHES" mainly used as signal switch of electric devices with the general requirements of mechanical and electrical characteristics.

1.1 Operating Temperature Range : -40°C ~ +85°C

1.2 Storage Temperature Range : -40°C ~ +85°C

1.3 The shelf life of product is within 6 months.

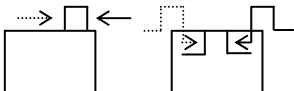
2. Current Range:

2.1 Non-Switching : 100mA, 50V DC

2.2 Switching : 25mA , 24V DC

3. Type of Actuation: Actuated by sliding

4. Test Sequence :

	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
ELECTRIC PERFORMANCE	1	Visual Examination	By visual examination check without any out pressure & testing.	There shall be no defects that affect the serviceability of the product.
	2	Contact Resistance	①To be measured between the two terminals associated with each switch pole. ②Measurements shall be made with a 1kHz shall current contact resistance meter.	50mΩ Max. (initial)
	3	Insulation Resistance	500V DC, 1 minute ± 5 sec.	100MΩ Min.
	4	Dielectric withstanding Voltage	500V AC (50Hz or 60 Hz) shall be applied between all the adjacent terminals and between the terminal and the frame for 1 minute.	There shall be no breakdown or flashover.
	5	Capacitance	1 MHz ± 10 kHz	5 pF Max.
MECHANICAL PERFORMANCE	6	Operation Force	Applied in the direction of operation. ON→OFF OFF→ON 	1000gf Max (9.8N Max)

DS(R)-V SPECIFICATION

FILE No. : E-V-AD18
 REV. : A
 Page : 2 / 4

MECHANICAL PERFORMANCE	7	Stop Strength	<p>A static load of 1 kgf (9.8N) is applied in the operating direction and pulling direction operated for a period of 15 seconds.</p> <p>A static load of 5 kgf (49N) to apply on stem top position for a period of 15 seconds.</p> <div style="text-align: center;"> </div>	<p>There shall be no sign of damage mechanically</p> <p>There shall be no sign of electrical function out of order or damage.</p>				
	8	Soldering Heat Resistance	<p>Soldering Temperature :</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">TEMP</th> <th style="padding: 5px;">TIME</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">260°C ±5°C</td> <td style="text-align: center; padding: 5px;">5±1 sec.</td> </tr> </tbody> </table> <p>(PCB is 1.6mm in thickness.)</p>	TEMP	TIME	260°C ±5°C	5±1 sec.	As shown in item 2~6
	TEMP	TIME						
	260°C ±5°C	5±1 sec.						
	9	Vibration	<p>Shall be vibrated in accordance with Method 201A of MIL-STD-202F</p> <p>①Frequency: 10-55-10 Hz 1 min/cycle. ②Direction: 3 vertical directions including the direction of operation. ③Test Time: 2 hours each direction.</p>	As shown in item 2~6				
10	Shock	<p>Shall be shocked in accordance with Method 213B condition A of MIL-STD-202F</p> <p>①Acceleration: 50G. ②Action Time : 11 ± 1 m sec. ③Testing Direction: 6 sides. ④Test cycle : 3 times in each direction</p>	As shown in item 2~6					
11	Solderability	<p>①NDS(R)-V Soldering Temperature:245±3°C Lead-Free solder : M705E JIS Z 3282 Class A (Tin 96.5% , Silver 3% , Copper 0.5%) ②Flux: 5-10 seconds. ③Duration of solder Immersion: 5±1 sec.</p>	No anti-soldering and the coverage of dipping into solder must more than 75% was requested.					
DURABILITY	12	Operation Life	<p>Measurements shall be made following the test set forth below:</p> <p>①25 mA, 24V DC resistive load ②Rate of Operation: 15~20 cycles/ minute ③Cycle of Operation: 2000 cycles.</p>	<p>① As shown in item 3,4 ②Contact Resistance: 100mΩ Max. (final-after test)</p>				

DS(R)-V SPECIFICATION

FILE No.	: E-V-AD18
REV.	: A
Page	: 3 / 4

WEATHER-PROOF	13	Resistance Low Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made : ①Temperature : $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ ②Time: 96 hours	As shown in item 2~6
	14	Resistance High Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made : ①Temperature : $85^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ②Time: 96 hours	①As shown in item 3~6 ②Contact Resistance: 100mΩ Max.
	15	Resistance Humidity	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before measurements are made : ①Temperature : $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ②Relative Humidity : 90~95% ③Time: 96 hours	①As shown in item 4,6 ②Contact Resistance: 100mΩ Max. ③Insulation Resistance : 10MΩ Min.

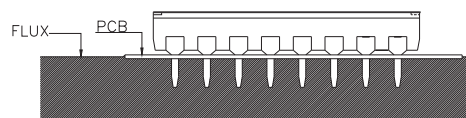
5. SOLDERING CONDITIONS:

■ Manual Soldering

Soldering Temperature	Max.350°C
Continuous Soldering Time	Max. 5 seconds

■ Precautions in Handling

1. Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.
2. Don't clean the switch body except with top tape sealed type, which can only spray of cleaning method from top of s/w.
3. Must set all poles of switch in "OFF" position when high temp of soldering, re-soldering...etc. In case careless to set in "ON" position for about processing will cause operation force decreasing & contact resistance increasing.
4. Please make sure that there is no flux rose over the surface of the PCB



DS(R)-V SPECIFICATION

FILE No. : E-V-AD18
REV. : A
Page : 4 / 4

■ Notes on storage conditions:

Do not store in the following environment or it may affect product's function and solderability:

1. temperature of -10 (max) ~ +40 (min) °C & humidity at 85% (min)
2. environment with corrosive gas
3. storage over 6 months
4. place of direct sunlight

Store with proper packaging conditions and to avoid loading heavy force

We suggest to use the products within 3 months or at least 6 months.

After opening the package, the rest products must be stored in the appropriate moisture-proof & airtight environment