

CUSTOMER'S NAME

MOUSER ELECTRONICS

ALPHA REFERENCE NO.

SP09070403

## SPECIFICATION

PART NO.	ALPHA MODEL NAME
1.	SR2511F-0205-26K0A-S8-N-W-186
	105-SR2511F-2526-186

MODEL NAME

MODEL NO.

APPROVAL

PREPARED BY	REVIEWED BY	APPROVED BY
		



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# ROTARY SWITCH

MODEL

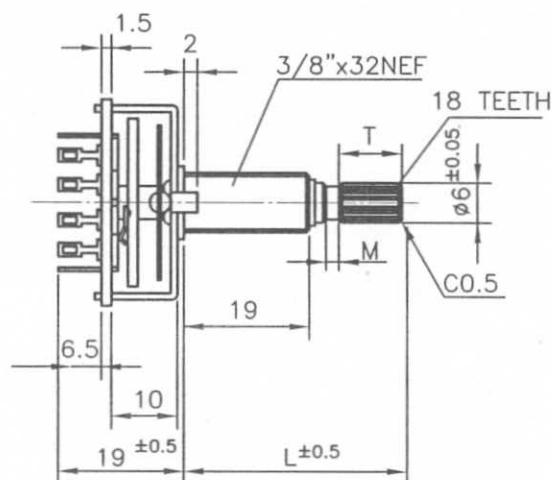
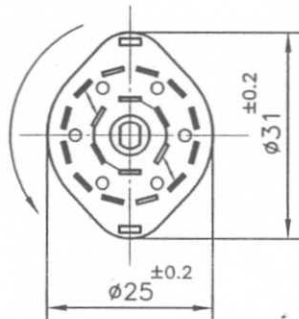
SR2511F-0205-LK0A-S8-N-W-186

## SPECIFICATIONS

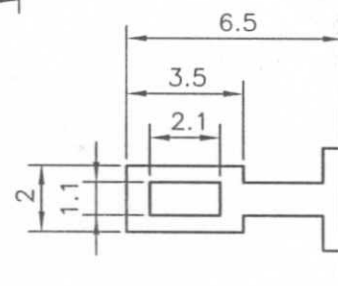
Rating	AC125V 0.3A
Contact Resistance	50 mΩ Max.
Insulation Resistance	DC500V-100 MΩ Min.
Withstand Voltage	AC500V-1 Minute
Rotation Torque	1.0±0.5 Kg-cm
Sizes (m.m)	As Following Drawings



DIRECTION OF ROTATION



L	T	M
32	9	2
26	3.5	1



DETAIL OF TERMINAL(5/1)

- NOTE: 1. TOLERANCES UNLESS OTHERWISE SPECIFIED: ±0.4mm  
 2. ACCESSORY PARTS: 3/8" HEXAGON NUT ONE PIECE & WASHER ONE PIECES  
 3. TIMING: NON-SHORTING

Date

2007.09.19

DWN

CHKD



APP'D




TAIWAN ALPHA ELECTRONIC CO., LTD.

	<b>Specification</b> Rotary switch SR25XXF	DOC. No:                      Rev. A
		Date:
		Author: 何建志
		Approved: 王茂松

## CONTENTS 内容

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## 1. TEST CONDITIONS

Standard test conditions shall be 5-35°C in temperature and 45-85% RH in humidity.

Should any doubt arise in judgment test shall be conducted at 20±2°C and 65±5% RH.

## 2. OUTSIDE DIMENSION

Append drawing.

## 3. MECHANICAL PERFORMANCE

Item	Test Condition	Specification
3.1 Operating force	Operation temperature:-10°C ~ +70°C Storage temperature:-40°C ~ +85°C	1.0±0.5kgf-cm
3.2 Control strength	A static load of 1000gf-cm shall be applied in the operating direction and tensile direction of the unit for one minute.	N/A
3.3 Terminal strength	A static load of 1000gf-cm shall be applied to the tip of the terminal in a desired direction for one minute. The number of tests shall be one per terminal.	N/A
3.4 Control wobble	Shall be measured by applying a static load of 100gf-cm to the tip of control unit.	Less than 1 mm
3.5 Soldering	Regarding preheating, the entire flow duration should not exceed 2 minutes, and soldering surface temperature ( undersurface of PCB ) shall be settled within 100°C . Temperature of solder 260±5°C Duration of dipping 4±0.5 seconds	More than 90% of the dipped part shall be covered by solder

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Item	Test Condition	Requirement
3.6 Soldering heat resistance resistance	Flow soldering condition: to be performed in 4±0.5 seconds within 260±5°C  Manual soldering condition: to be performed in 3±0.5 seconds Max within 350±5°C	No abnormalities shall be observed in appearance and operation shall be assured.
3.6 Shaft stopper strength:	N/A	More than 5kg-cm
3.7 Bushing mount strength	N/A	9kgf-cm MIN .

#### 4. ELECTRICAL PERFORMANCE

Item	Test Condition	Requirement
4.1 Rating	N/A	AC125V 0.3A
4.2 Contact resistance	Shall be measured at 1KHz±200Hz (Max 20mV, Max 50mA) or 5V DC, 1A by a voltage drop method	Less than 50mΩ
4.3 Insulation resistance	Shall be measured by applying 500V DC, between all terminals and between the terminal and the frame for 1 minute ± 5 seconds	More than 100MΩ
4.4 Withstand voltage	500V AC (50~60Hz, 2mA)  Shall be applied between all terminals and between the terminal and frame for one minute	N/A

#### 5. DURABILITY

5.1 Operating life under no load	10,000 cycles of operation shall be performed continuously at a rate of 15-20 cycles per minute without load.	Contact resistance: less than 200mΩ Insulation resistance:
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After operating life test, shall be in accordance with the following specifications.

more than 50MΩ  
Withstand Voltage:  
250V AC per one minute  
Operating force:  
less than +10%,-30%  
for initial operating force

Item	Test Condition	Requirement
5.2 Operating life under load	10,000 cycles of operation shall be performed continuously at a rate of 15-20 cycles per minute with resistive load of AC125V 0.3A After operating life test , shall be in accordance with the following specifications.	Contact resistance : less than 500mΩ  Other specifications are the same as operating life under no load.

## 6. NOTE

Terminals top side is covered by flux resist resin.

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