

CUSTOMER'S NAME

MOUSER ELECTRONICS

ALPHA REFERENCE NO.


SP07110385

SPECIFICATION

| PART NO. | ALPHA MODEL NAME |
|----------|-------------------------------|
| 1. | SR2511F-0205-32K0A-S8-N-W-186 |
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|------------|
| MODEL NAME |
| MODEL NO. |

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| APPROVAL |
|----------|

| PREPARED BY | REVIEWED BY | APPROVED BY |
|---|--|--|
|  劉梅英 96.11.29 |  何建志 96.11.29 |  王茂松 2007.11.30 |



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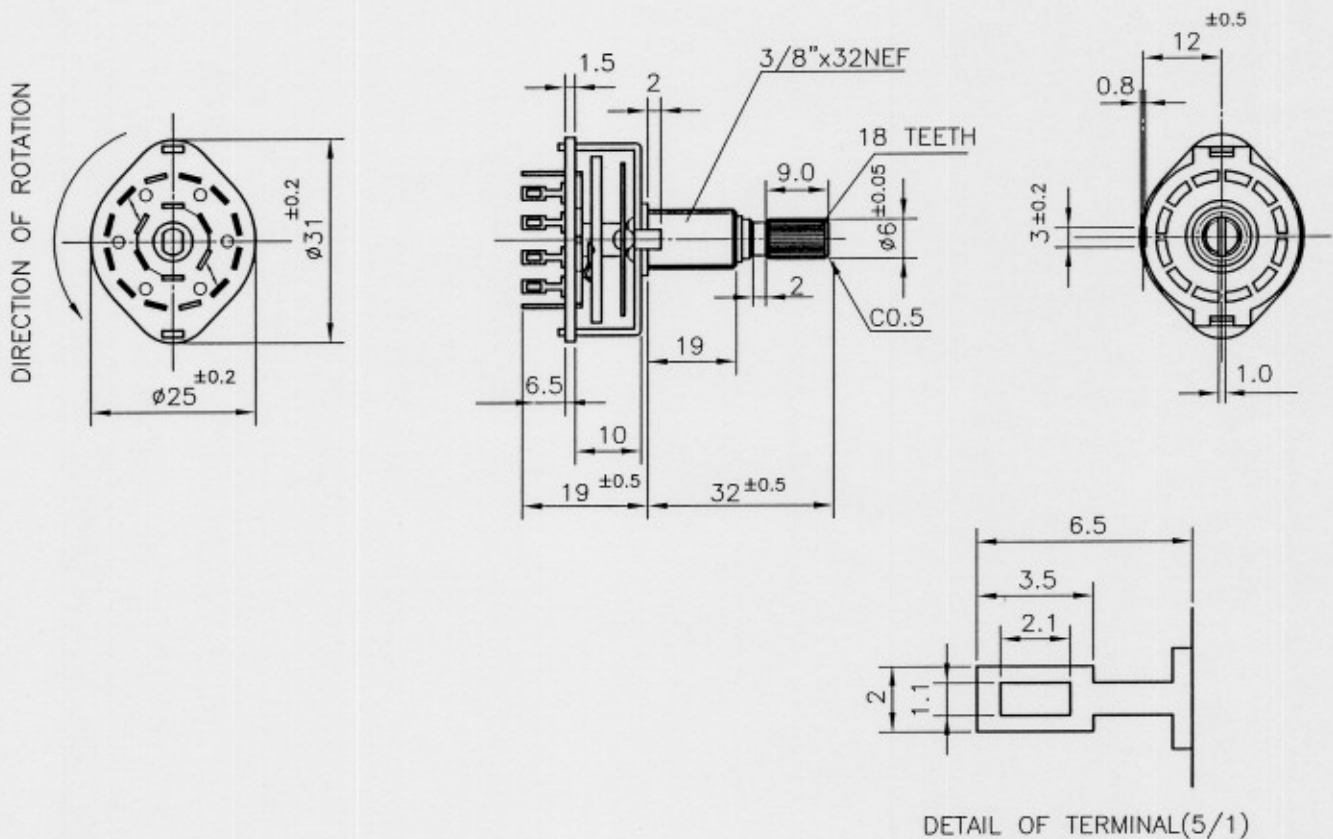
ROTARY SWITCH

MODEL

SR2511F-0205-32K0A-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 |

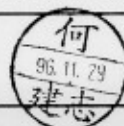


- NOTE: 1. TOLERANCES UNLESS OTHERWISE SPECIFIED: $\pm 0.4\text{mm}$
 2. ACCESSORY PARTS: $3/8"$ HEXAGON NUT ONE PIECE & WASHER ONE PIECES
 3. TIMING: NON-SHORTING
 4. BRASS MATERIAL OF SHAFT AND BUSHING

Date

2007.11.30

DWN




CHKD



APP'D




TAIWAN ALPHA ELECTRONIC CO., LTD.

| | | |
|---|---|-----------------------|
|  | Specification Rotary switch SR25XX | DOC. No: _____ Rev. A |
| | | Date: _____ |
| | | Author: 何建志 |
| | | Approved: 王茂松 |

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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 | Temperature of solder 230±5°C Duration of dipping 3±0.5 seconds | More than 90% of the dipped part shall be covered by solder |
| 3.6 Soldering heat resistance | Flow soldering condition: to be performed in 3±0.5 seconds within 230±5°C Manual soldering condition: to be performed in 3±0.5 seconds Max within 300±5°C | No abnormalities shall be observed in appearance and operation shall be assured. |


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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. After operating life test, shall be in accordance with the following specifications. | Contact resistance: less than 200mΩ Insulation resistance: more than 50MΩ Withstand Voltage: 250V AC per one minute Operating force: less than +10%,-30% for initial operating force |
| 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. |

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6. NOTE

Terminals top side is covered by flux resist resin.

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