

CUSTOMER'S NAME

MOUSER ELECTRONICS

ALPHA REFERENCE NO.

SP19070098

# SPECIFICATION

PART NO.	ALPHA MODEL NAME
	RV170SF-10-15R1-A1K-0021
	31CC301-F

MODEL NAME
MODEL NO.

APPROVAL

PREPARED BY	REVIEWED BY	APPROVED BY
 鄧彩霞 2019.7.13	 李延玲 2019.7.13	 古祖衡 2019.7.13



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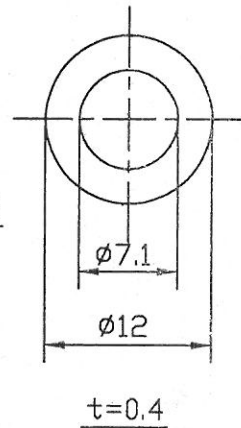
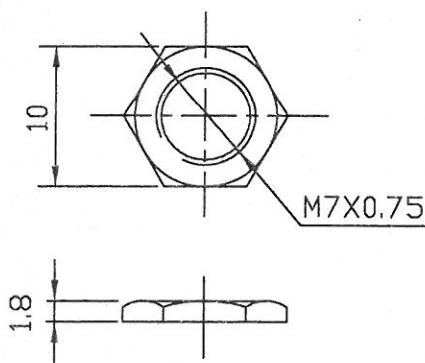
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2016.06.27  
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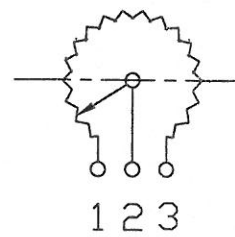
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✓	15
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NUT 1 PC

WASHER 1 PC



● 260° ROTATION  
MONO UNIT



2016-07-06  
收文日

(-0021)

RV170SF-10-(L)R1-XXX(-0030)

NO.	DATE	DESCRIPTION	MODEL NAME			
TOL. UNLESS OTHERWISE STATED	DIMENSION	SCALE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NO.
less than 10 ±0.3	mm	2	姚 2016.6.21 榕偉		潘 2016.6.24 坤	
above 10 ~ 30 ±0.5						
above 30 ~ 100 ±1.0						
above ±5'						

CUSTOMER'S NAME	NOTE	DATE
CUSTOMER'S PART NAME		
CUSTOMER'S DRAWING NO.		

### 1. MECHANICAL SPECIFICATION

1. OUTSIDE DIMENSION	append fig.	
2. TOTAL ROTATION ANGLE	degree	260 ±5°
3. TOTAL TRAVEL STROKE	mm	±0.5
4. NUT WIRING STRENGTH	twisting moment	less than 7 kgf.cm
5. SCREW TIGHTENING FORCE	torsional moment	less than kgf.cm
6. ROTATION TORQUE	speed 60 deg./sec.	20~200 gf.cm
7. SLIDING FORCE	speed 20mm/sec	gf.cm
8. SHAFT LEVER STRENGTH	pulling pushing	more than kgf.cm
9. SHAFT LEVER WOBBLE	within mm (bending moment)	gf.cm
10. SHAFT LEVER STOP STRENGTH	more than 3 kgf.cm (static load) / more than 500 gf.cm / 10 ± 1 sec soldering heat 350±5°C/3sec. 200gf.cm/10 ±1sec resist change within ± 2%	60 sec
11. TERMINAL STRENGTH		
12. CLICK POSITION & TORQUE	gf.cm	
13. SWITCH WORKING ANGLE (STROKE)	degree (mm)	30°±10°
14. SWITCH WORKING TORQUE (FORCE)	gf.cm	70-400gf.cm
15. SWITCH CIRCUIT		S.P.S.T

### 2. ELECTRICAL SPECIFICATION

1. OVERALL RESISTANCE & TOLERANCE	terminal 1-3	1K Ω±	20 %
2. TAP RESISTANCE & TOLERANCE	terminal 1-4	Ω±	%
3. RATED WATTAGE	temp 0~50°C	0.05	W
4. MAXIMUM WORKING VOLTAGE		150	V
5. RESISTANCE TAPER MEASURING POINT & TOLERANCE		50	%point
6. RESIDUAL RESISTANCE	terminal 1/3 side	10 ~	25 %
7. TAP RESIDUAL RESISTANCE	terminal 4 side	less than 10/20	Ω
8. SLIDE NOISE		less than 100	Ω
9. INSULATION RESISTANCE	more than 50	MΩ(DC)	500 V)
10. WITHSTAND VOLTAGE	AC 500	V	1 minute
11. TRACKING ERROR			
12. SWITCH CONTACT RESISTANCE	MΩ	less than 50	mΩ
13. SWITCH RATING		12V DC	, 1A

### 3. USABLE TEMPERATURE RANGE: from -10°C to 70°C

4. VR LIFE 15,000 ± TIMES

RESISTANCE CHANGE: within ± %

SLIDE NOISE : less than mV

SW LIFE 10,000 ± TIMES

CONTACT RESISTANCE: less than mΩ

### SHAFT

MATERIAL	ANGLE OF FLAT OR SLOT θ	DIMENSION		
		M	L	F
	at		15	

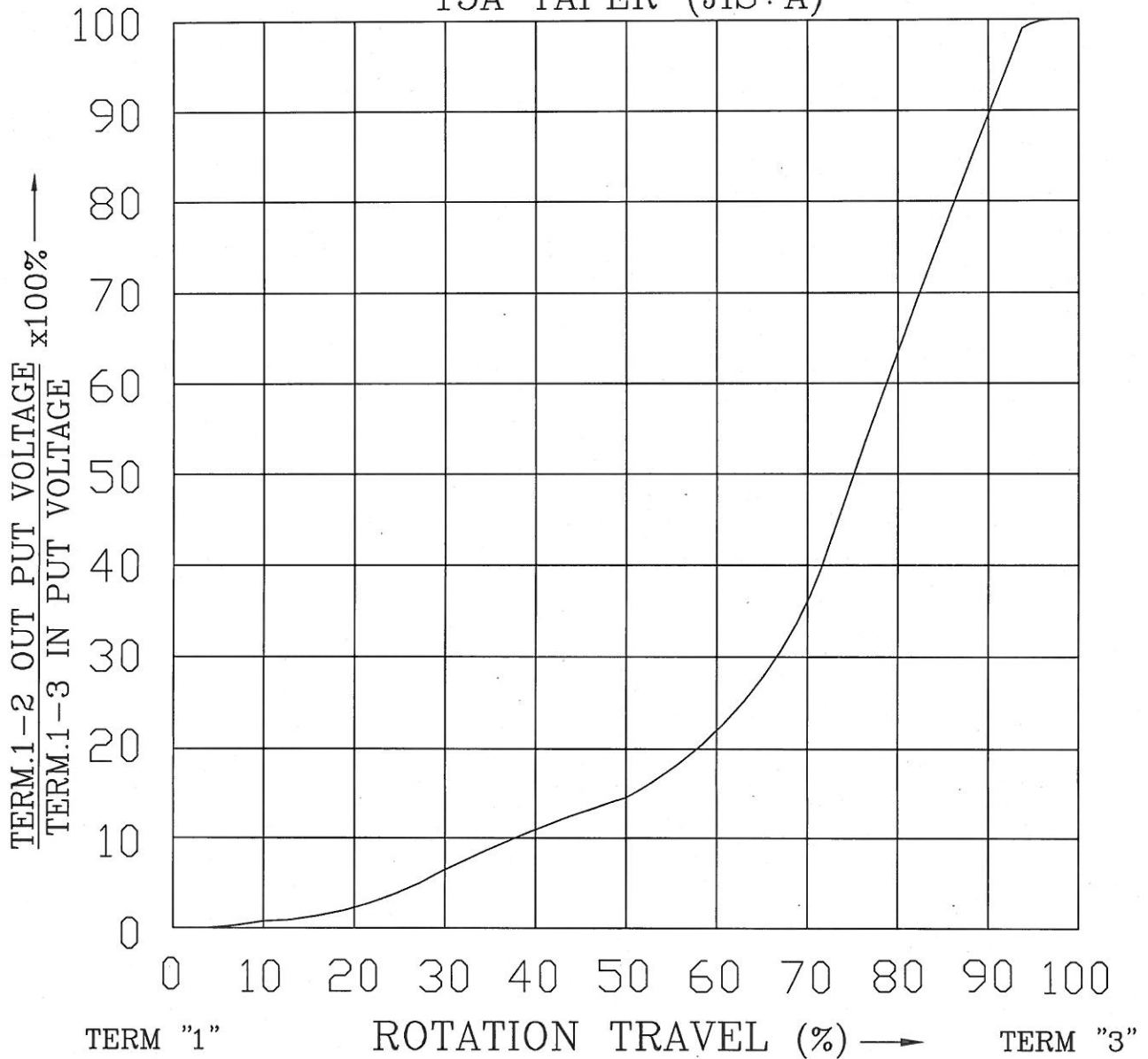
MODEL NAME	DRAWING NO.
RV170SF-10-15R1-C1K-0021	

REFERENCE NO.

REV

# STANDARD RESISTANCE TAPER

15A TAPER (JIS:A)



NO.	DATE	DESCRIPTION	MODEL NAME			
TOL. UNLESS OTHERWISE STATED	DIMENSION	SCALE	DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NO.
less than 10 ±0.3	mm		何	王	王	
above 10 ~ 30 ±0.5			90.8.21	90.8.21	90.8.21	
above 30 ~ 100 ±1.0			建志	茂松	茂松	
above ±5°						