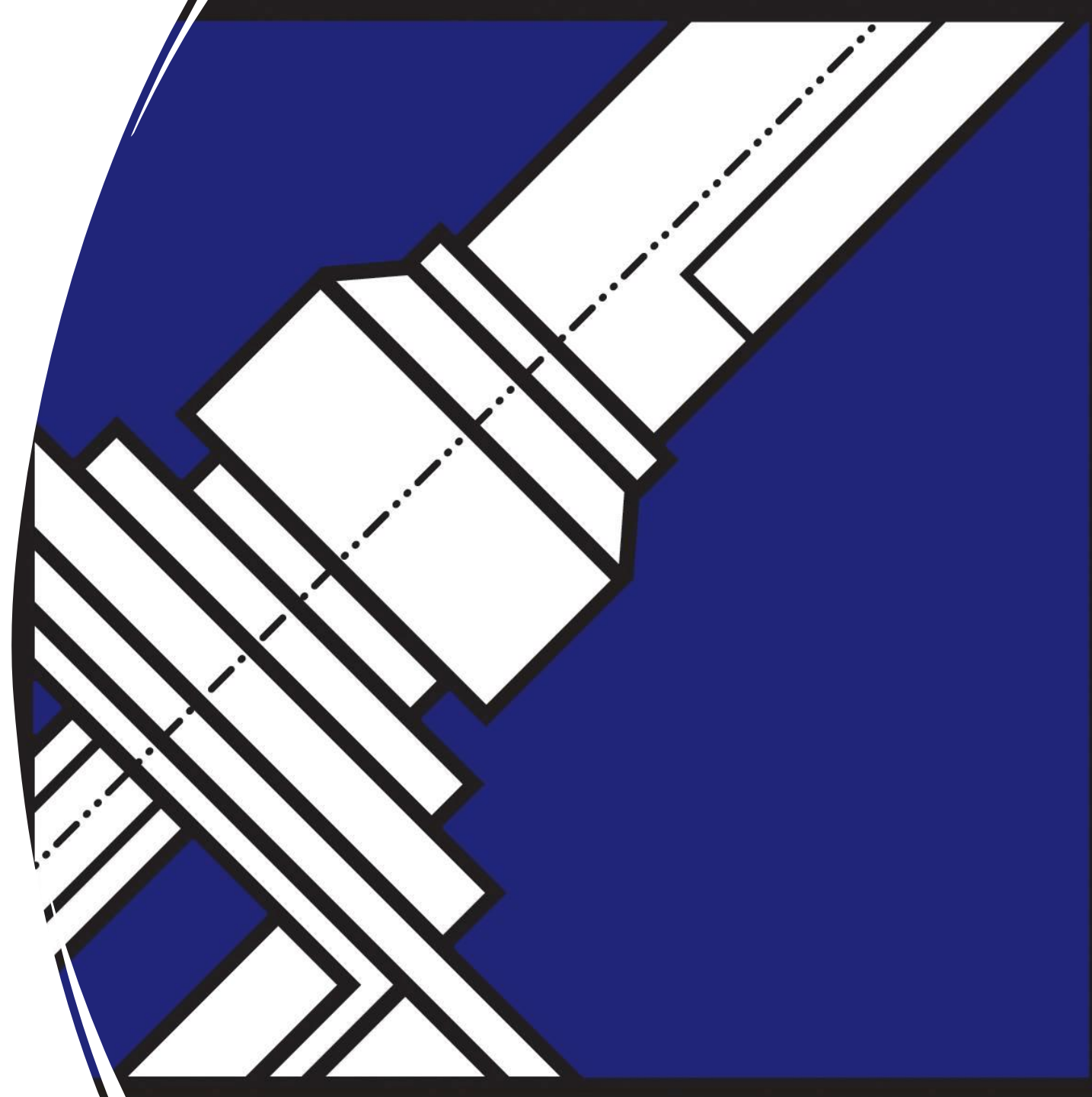


# Carbon Slide Potentiometers

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Types of Carbon Slide pots:

- Model RFAOS potentiometer
- Model RFXX11 potentiometer
- Model RFXX21 potentiometer
- Model RFXXBTK potentiometer
- Model RFXXF potentiometer
- Model RFXXFM potentiometer
- Model RFXXH potentiometer

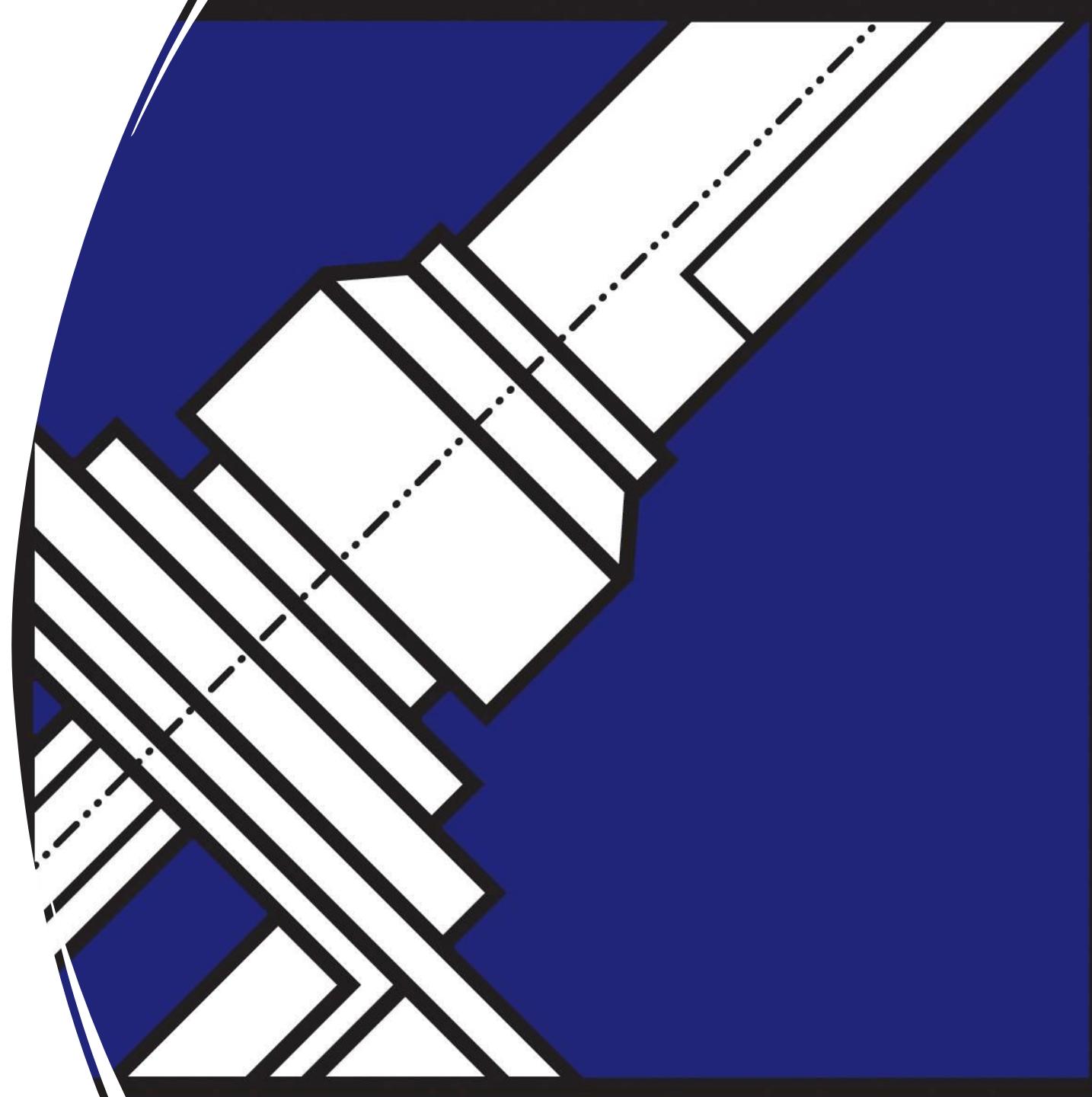


# Carbon Slide Potentiometers

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Types of Carbon Slide pots:

- Model RFXXK potentiometer
- Model RFXXM potentiometer
- Model RFXXNS potentiometer
- Model RFXXT potentiometer
- Model RFXXZ potentiometer
- Model RFXXZM potentiometer



# SLIDE POTENTIOMETER

## Low-Profile Master Type

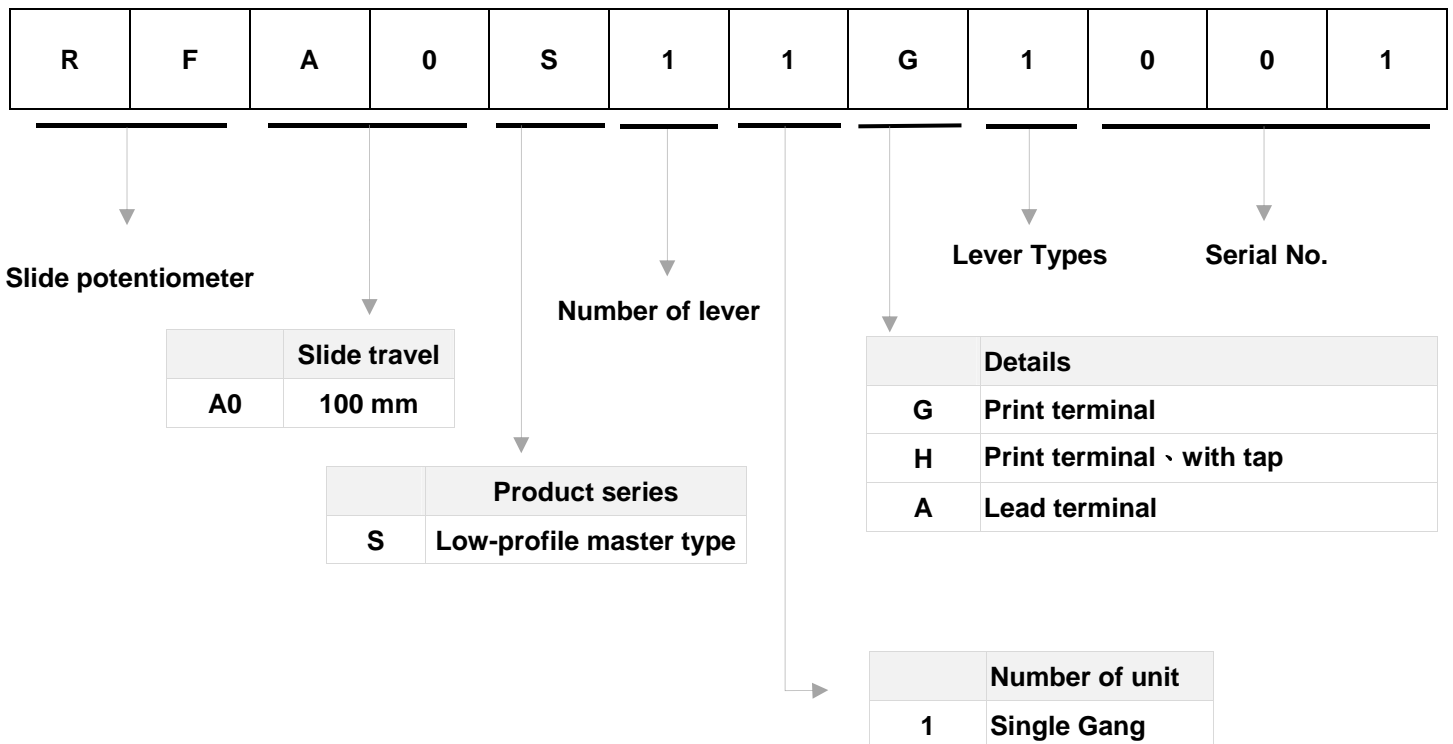


### ◆ FEATURE

- Excellent operational feel by less lever wobble.
- Both single-unit type and dual-unit type with the same outline size available.

### ◆ APPLICATIONS

- Fader control in mixer of popular type.



### ◆ COMMON SPECIFICATION

Characteristics	Specification
Operating temperature range	-10°C to +70°C
Operating force	30 ~ 250 gf
Total resistance (KΩ)	5、10、20、50、100、250、500
Total resistance tolerance	±20%
Resistance taper	A,B,C
Sliding service life	15,000 cycles

# SLIDE POTENTIOMETER

## Low-Profile Master Type

### LEVER TYPES

Unit : mm

Material	Metal lever							
Lever type	1		4				6	
Dimensions								
Length (L)	12	8	15	20	25	30	15	20
Lever type	9-1		9-2					
Dimensions								
Length (L)	10		8.2					

### DIMENSIONS

Unit : mm

Model	Dimensions							
RFA0S11								
P.C.B Mounting hole detail								
	Dimensions	S	A (S+28)	B (S+20)	C (S+27.5)	D	E	F
Model								
RFA0S		100	128	120	127.5	82.2	42.1	40.1

# SLIDE POTENTIOMETER

## Super Type



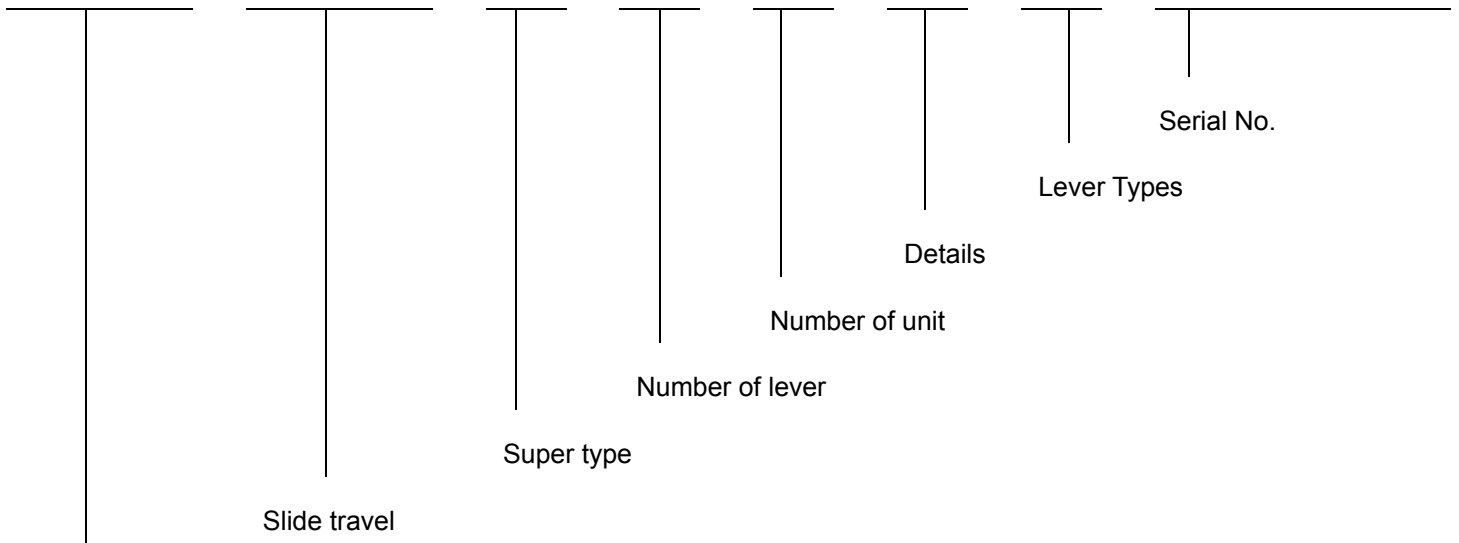
### ◆ FEATURE

- Solder able with auto dipping.
- Snap-in type also available.

### ◆ APPLICATIONS

- Various control applications with general consumer electronics products, in-vehicle equipment and devices, industrial machines, etc.

**R F - 4 5 - 1 - 1 - 2 - G - 6 - 1 0 1**



Slide potentiometer (RF · RS)

Slide travel		Details	
15、20、25、30、45、60、100 (mm)		G	Print terminal
Number of unit		H	Print terminal · with tap
1	Single Gang	K	Print terminal · with Click
2	Dual Gang	L	Print terminal · with tap · with click
		P	Snap-in mounting type

### ◆ COMMON SPECIFICATIONS

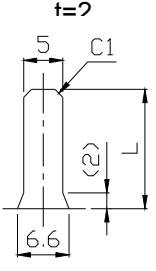
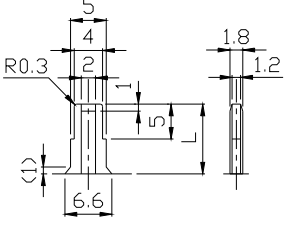
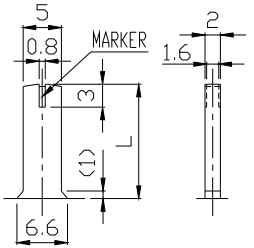
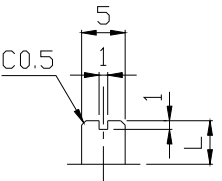
Characteristics	Specification	
Operating temperature range	-10°C to +70°C	
Operating force	10 ~ 80 gf	30 ~ 250 gf
Total resistance	5KΩ · 10KΩ · 20 KΩ · 50 KΩ · 100 KΩ · 250 KΩ · 500KΩ	
Total resistance tolerance	±20%	
Resistance taper	A,B,C	
Sliding service life	15,000 cycles	

# SLIDE POTENTIOMETER

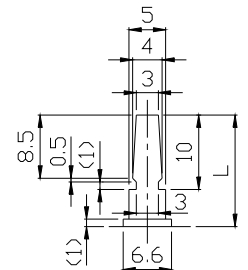
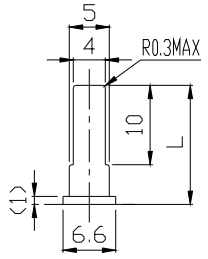
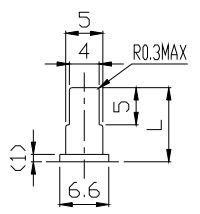
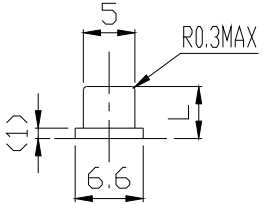
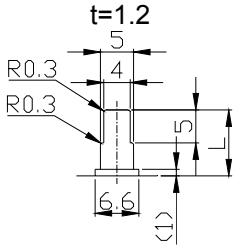
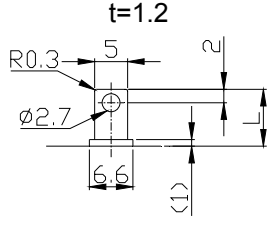
## Super Type

### ◆ LEVER TYPES

Unit: mm

Material	Insulated lever								
Lever type	A			C			J		
Dimensions									
Length (L)	10	15	20	10	15	10	15	20	
Lever type	J-1								
Dimensions									
Length (L)	5								

**Note:** The color of the J type lever is black. Red, orange and white are selectable for markers.


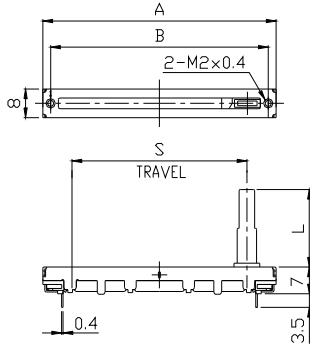
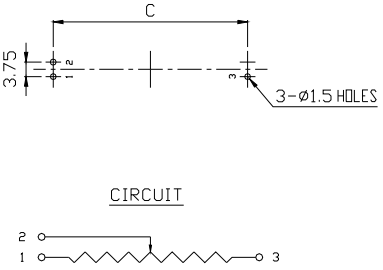
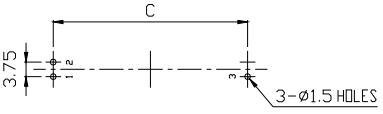

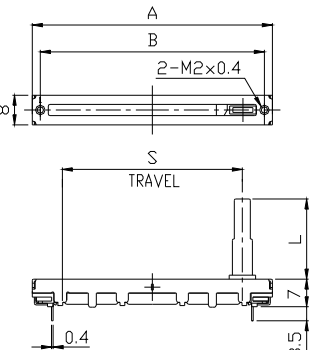
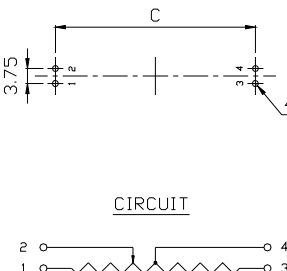
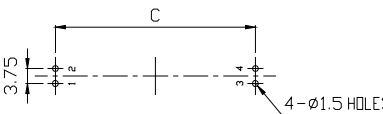
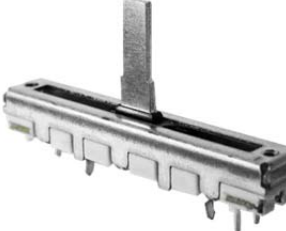
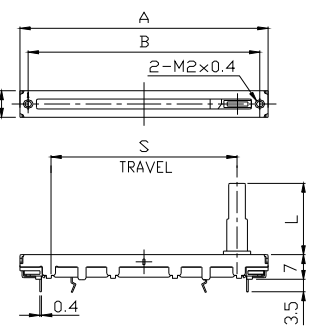
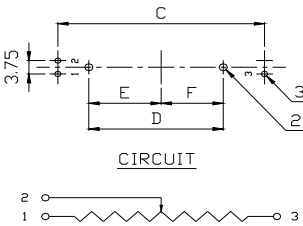
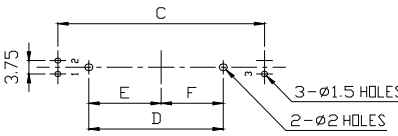
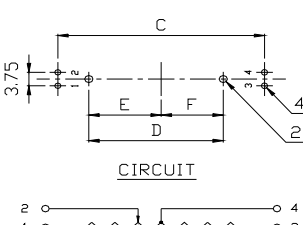
Material	Metal lever												
Lever type	4				6				9-1				
Dimensions													
Length (L)	15	17	18.9	19.1	20	23	25	15	17.2	20	25	10	
Lever type	9-2				9-10				9-F0				
Dimensions													
Length (L)	5				10				10				8.5

# SLIDE POTENTIOMETER

## Super Type

### DIMENSIONS

Unit mm


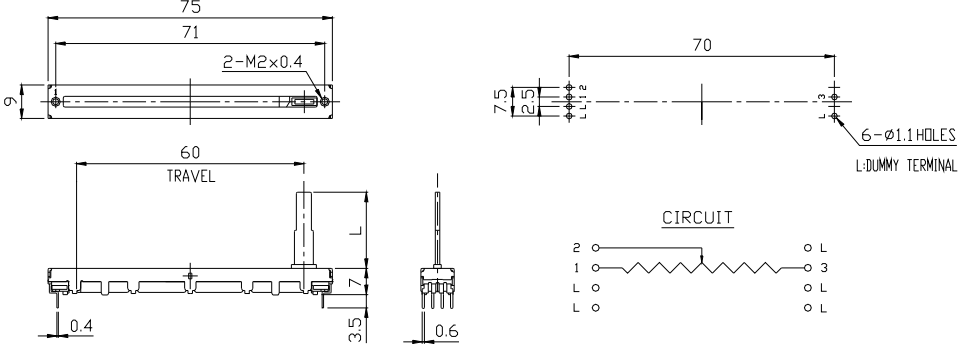

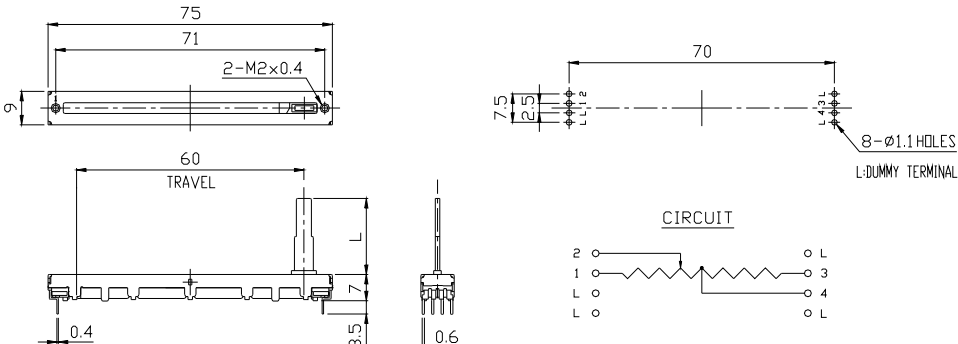

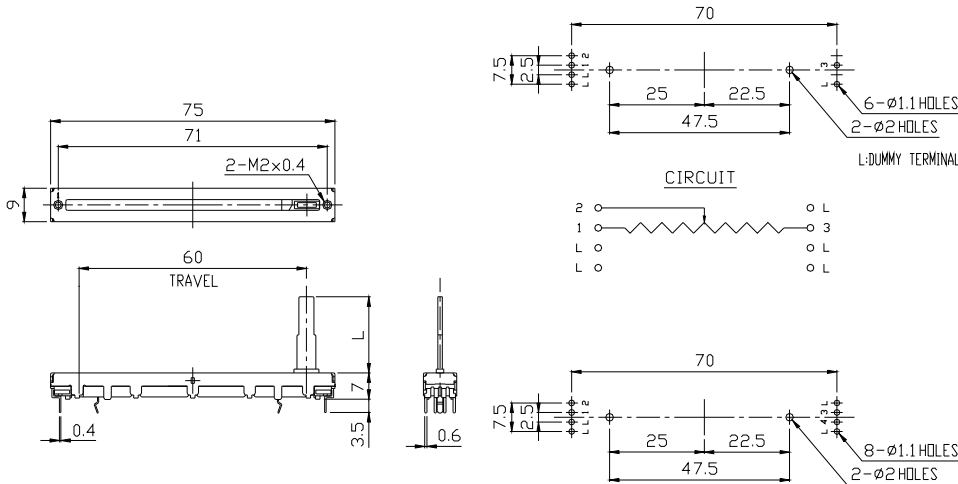
Model	Dimensions							
RF□□111G RF□□111K (Center detent)	  							
RF□□111H RF□□111L (Center detent)	  							
RF□□111P	  	 						
P.C.B Mounting hole detail								
Model	Dimensions	S	A (S+15)	B (S+11)	C (S+5)	D	E	F
RF15111		15	30	26	20			
RF20111		20	35	31	25	12.5	7.5	5
RF25111		25	40	36	30			
RF30111		30	45	41	35	22.5	12.5	10
RF45111		45	60	56	50	32.5	17.5	15

# SLIDE POTENTIOMETER

## Super Type

### DIMENSIONS

Unit: mm

Model	Dimensions
RF6011YG RF6011YK (Center detent) 	 <p>75 71 2-M2x0.4 60 TRAVEL 0.4 3.5 0.6 70 6-ø1.1 HOLES L-DUMMY TERMINAL CIRCUIT</p>
RF6011YH RF6011YL (Center detent) 	 <p>75 71 2-M2x0.4 60 TRAVEL 0.4 3.5 0.6 70 8-ø1.1 HOLES L-DUMMY TERMINAL CIRCUIT</p>
RF6011YP 	 <p>75 71 2-M2x0.4 60 TRAVEL 0.4 3.5 0.6 70 25 22.5 47.5 6-ø1.1 HOLES 2-ø2 HOLES L-DUMMY TERMINAL CIRCUIT 70 25 22.5 47.5 8-ø1.1 HOLES 2-ø2 HOLES L-DUMMY TERMINAL CIRCUIT</p>



# SLIDE POTENTIOMETER

## Super Type

### DIMENSIONS

Unit: mm

Model	Dimensions	
RF□□112G RF□□112K (Center detent)		
RF□□112H RF□□112L (Center detent)		
RF□□112P		

### P.C.B Mounting hole detail

Model	Dimensions							
	S	A (S+15)	B (S+11)	C (S+10)	D	E	F	
RF15112	15	30	26	25	/	/	/	
RF20112	20	35	31	30	12.5	7.5	5	
RF25112	25	40	36	35	/	/	/	
RF30112	30	45	41	40	22.5	12.5	10	
RF45112	45	60	56	55	32.5	17.5	15	
RF60112	60	75	71	70	47.5	25	22.5	

**Note:** The outline dimensions and shape of RF6011Y are the same as those of RF60112

# SLIDE POTENTIOMETER

## Super Type

### DIMENSIONS

Unit: mm

Model	Dimensions	
RFA011YG RFA011YK (Center detent)		
RFA011YH RFA011YL (Center detent)		
RFA011Y P		
RFA0112G RFA0112K (Center detent)		

# SLIDE POTENTIOMETER

## Super Type

### DIMENSIONS

Unit: mm

Model	Dimensions	
RFA0112H RFA0112L (Center detent)		
RFA0112P		

**Note:** The outline dimensions and shape of RFA011Y are the same as those of RFA0112.

# SLIDE POTENTIOMETER

## Super With LED Type



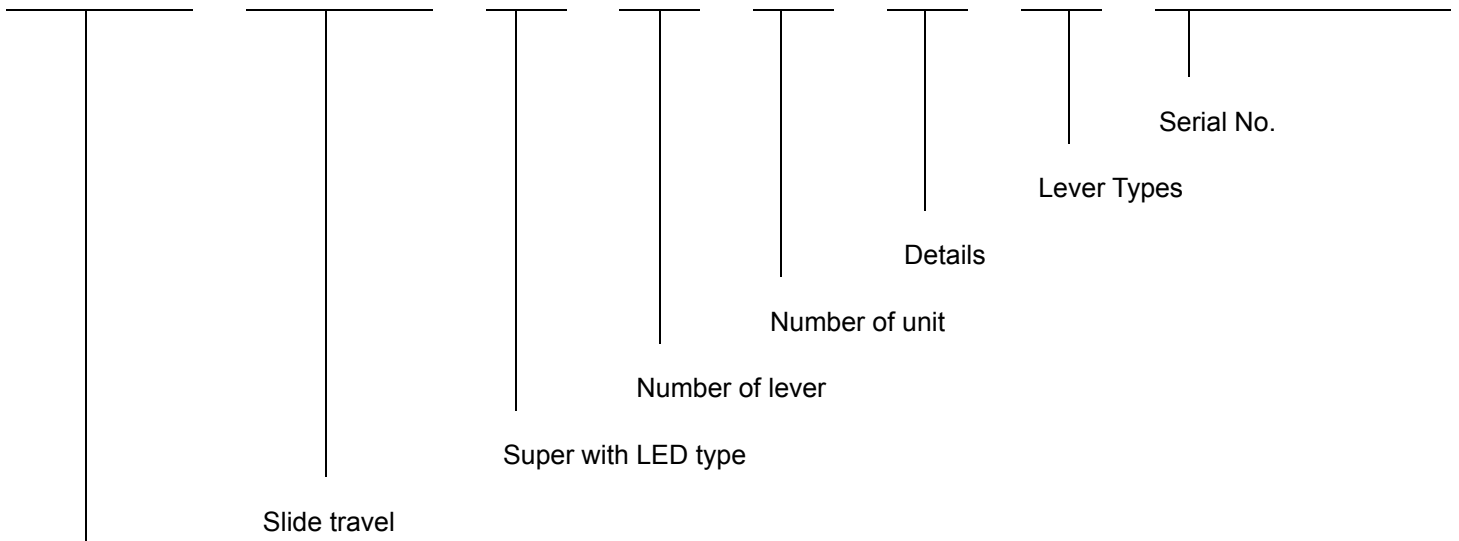
### ◆ FEATURE

- Snap-in type also available.
- Available in red, orange, green and blue LED colors.

### ◆ APPLICATIONS

- Controls for graphic equalizers in audio equipment.

**R F - 4 5 - 2 - 1 - 1 - G - L - 1 0 1**



Slide potentiometer (RF · RS)

Slide travel		Details	
15、20、25、30、45、60 (mm)		G	Print terminal
Number of unit		H	Print terminal · with tap
1	Single Gang	K	Print terminal · with Click
		L	Print terminal · with tap · with click
		P	Snap-in mounting type

### ◆ COMMON SPECIFICATION

Characteristics	Specification
Operating temperature range	-10°C to +70°C
Operating force	30 ~ 250 gf
Total resistance (KΩ)	5 · 10 · 20 · 50 · 100 · 250 · 500
Total resistance tolerance	±20%
Resistance taper	A,B,C
Sliding service life	15,000 cycles

# SLIDE POTENTIOMETER

## Super With LED Type

### LEVER TYPES

Unit : mm

Material	Insulated lever		
Lever type	L		
Dimensions			
Length (L)	10	15	19

**Note:** The color of the L type lever is black. Red, orange, green, blue, amber and white are selectable for LEDs.

### DIMENSIONS

Unit : mm

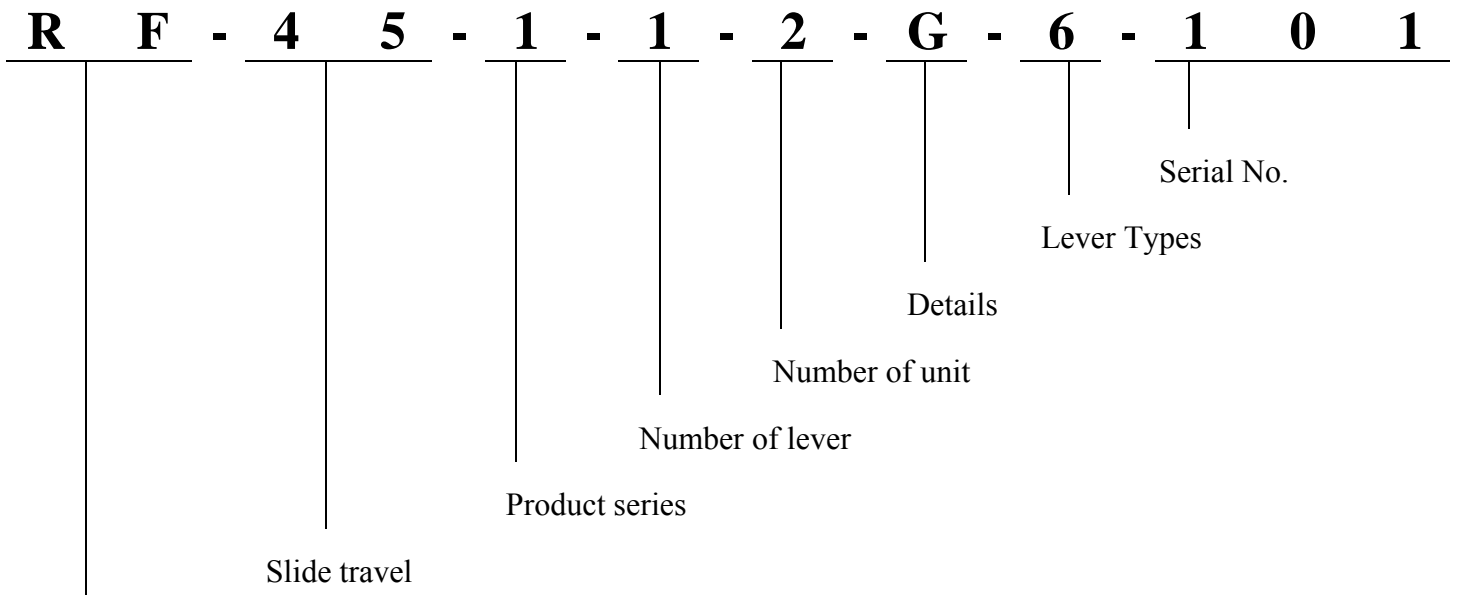
Model	Dimensions	
 RF□□211		<p>6-∅1.1 HOLES E: (-) ; B: (+) L: DUMMY TERMINAL</p>
 RF□□211P		<p>6-∅1.1 HOLES 2-∅2 HOLES E: (-) ; B: (+) L: DUMMY TERMINAL</p>

### P.C.B Mounting hole detail

Model	Dimensions						
	S	A (S+15)	B (S+11)	C (S+10)	D	E	F
RF15211	15	30	26	25			
RF20211	20	35	31	30	12.5	7.5	5
RF25211	25	40	36	35			
RF30211	30	45	41	40	22.5	12.5	10
RF45211	45	60	56	55	32.5	17.5	15
RF60211	60	75	71	70	47.5	25	22.5

# SLIDE POTENTIOMETER

## Products Numbering System



Slide potentiometer (RF、RS)

Product series

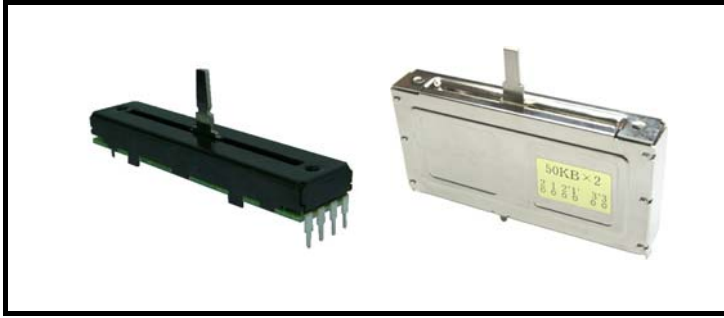
1	Super type
2	Super with LED type
H	Slim type
S	Low-profile master type
N	Low-profile master type
B	Rail master type
T	Rail master type
K	Rail master type
P	Mini type
M	Low-profile with motor type
W	Rail with motor type
L	Sensor
Z	Long life rail master type

Details

A	Lead terminal
G	Print terminal
H	Print terminal、with tap
K	Print terminal、with Click
L	Print terminal、with tap、with click
P	Snap-in mounting type
C	Connector

# SLIDE POTENTIOMETER

## Rail Master Type



### ◆ Applications

- Fader control in mixer and high grade audio.

### ◆ Features


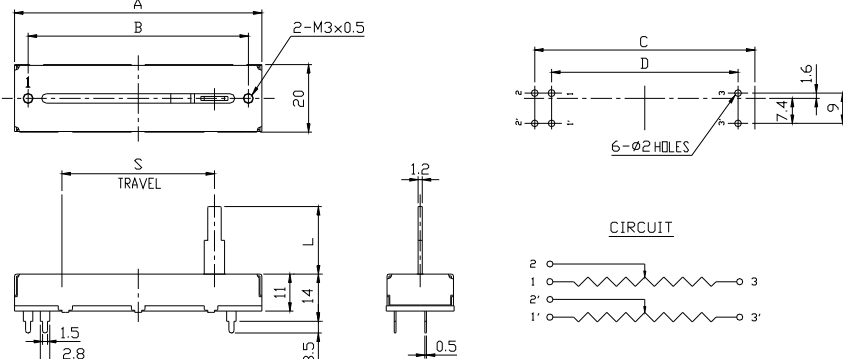
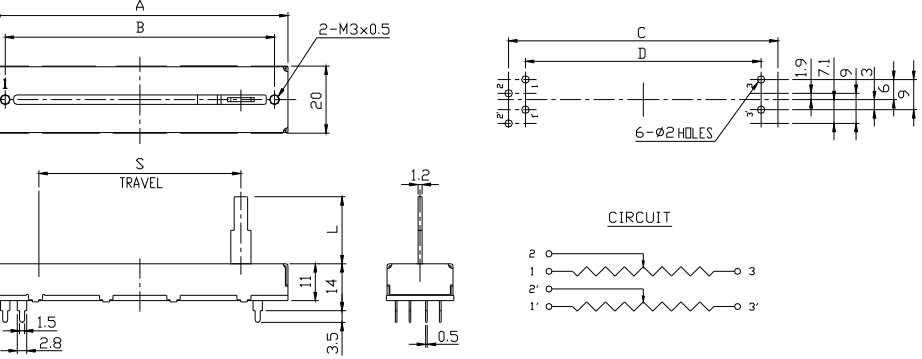
- Excellent operation feeling and high-precision characteristics.
- Low residual resistance and long life.

### ◆ Common specifications

Characteristics	Specification		
Model	RF□□B	RF□□T	RF□□K
Operating temperature range	-10°C to +70°C		
Operating force	50 gf max.		60 gf max.
Total resistance (KΩ)	5、10、20、50、100、250、500		
Total resistance tolerance	±20%		
Resistance taper	A,B,C		
Sliding service life	100,000 cycles		

### ◆ Dimensions

Unit : mm

Model	Dimensions
RF□□T 	<p>RF45T</p>  <p>RF60T/RFA0T</p> 

### P.C.B Mounting hole detail

Model	S	A (S+28)	B (S+20)	C (S+20)	D (S+10)
RF45T	45	73	65	65	55
RF60T	60	88	80	80	70
RFA0T	100	128	120	120	110

# SLIDE POTENTIOMETER

## Rail Master Type

### ◆Lever Types

Model	RF□□T								
Material	Metal lever								
Lever type	3			4			9		
Dimensions	t=1.2			t=1.2			t=1.2		
Length (L)	15	20	25	15	20				8.2

### ◆Dimensions

Unit : mm

Model	Dimensions
RF□□B	

#### P.C.B Mounting hole detail

Model	Dimensions	S	A (S+28)	B (S+20)	C (S+27.5)
RF45B		45	73	65	72.5
RF60B		60	88	80	87.5
RFA0B		100	128	120	127.5

### ◆Lever Types

Model	RF□□B									
Material	Metal lever									
Lever type	1			4			6			
Dimensions	t=1.2			t=1.2			t=1.2			
Length (L)	12			13	15	20	15	16.8	20	25


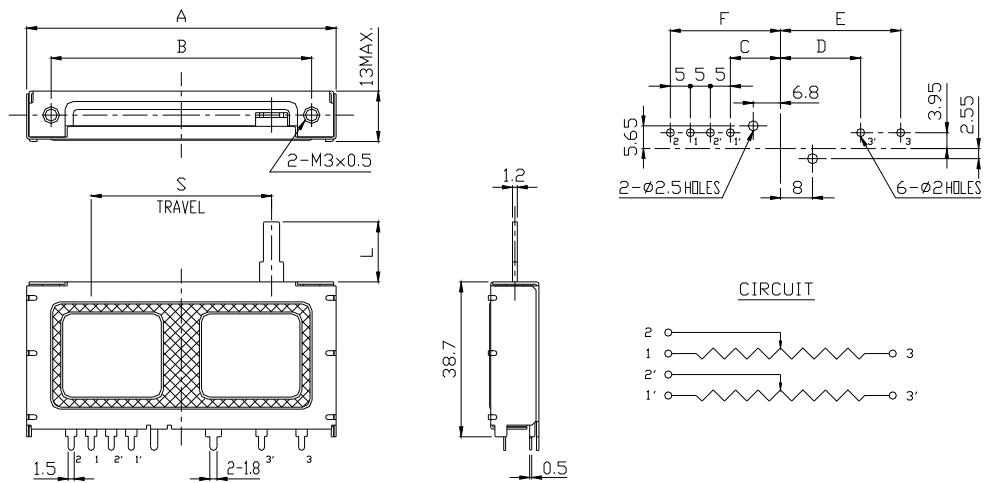
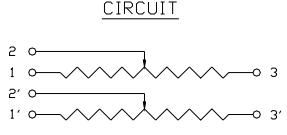


# SLIDE POTENTIOMETER

## Rail Master Type

### ◆Dimensions

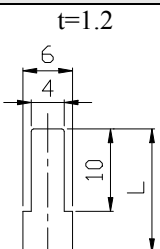
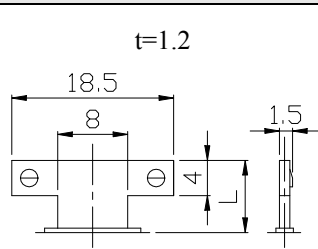
Unit : mm

Model	Dimensions
RF□□K 	 <p>CIRCUIT</p> 

### P.C.B Mounting hole detail

Model	S	A (S+32.5)	B (S+20)	C	D	E	F
RF45K	45	77.5	65	12.5	20	30	27.5
RF60K	60	92.5	80	20	27.5	37.5	35
RFA0K	100	132.5	120	40	47.5	37.5	55

### ◆Lever Types

Model	RF□□K	
Material	Metal lever	
Lever type	3	9
Dimensions		
Length (L)	15	20
		8.2

# SLIDE POTENTIOMETER

## Long Life Rail Master Slim Type



### ◆ FEATURE

- Excellent operation feeling and high-precision characteristics.
- Slim body size
- Low residual resistance
- **Long life : 1,000,000 cycles**

### ◆ APPLICATIONS

- Fader control in mixer and high grade audio.

R	F	4	5	F	1	2	C	6	0	0	1
---	---	---	---	---	---	---	---	---	---	---	---

Slide potentiometer

	Slide travel
45	45 mm
A0	100 mm

Number of lever

	Product series
F	Long Life Rail Master Slim Type

Lever Types

	Details
C	connector

Serial No.

	Number of unit
1	Single Gang
2	Dual Gang

### ◆ COMMON SPECIFICATIONS

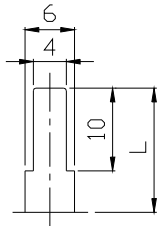
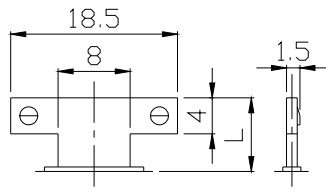
Characteristics	Specification
Operating temperature range	-10°C to +70°C
Storage temperature range	-30°C to +70°C
Operating force	30 gf max.
Total resistance (KΩ)	10 、 20 、 50 、 100 、 250 、 500
Total resistance tolerance	±20%
Residual resistance	1Ω max.
Resistance taper	A,B,C
Insulation resistance	100MΩ min.
Slider noise	47mV min.
Lever deviation	0.5mm(One side)
Voltage proof	1 minute 1000V AC
Maximum operating voltage	A.C 350V/D.C 20V
Sliding service life	1,000,000 cycles

# SLIDE POTENTIOMETER

## Long Life Rail Master Slim Type


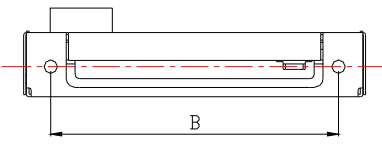
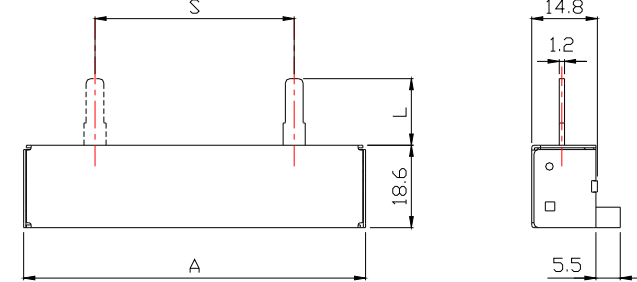
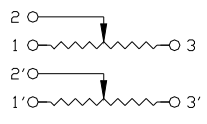
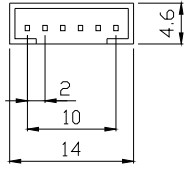
### LEVER TYPES

Unit : mm

Material Lever type	Metal lever <b>6</b> t=1.2	Metal lever <b>9</b>
Dimensions		
Length (L)	15	8.2

### DIMENSIONS

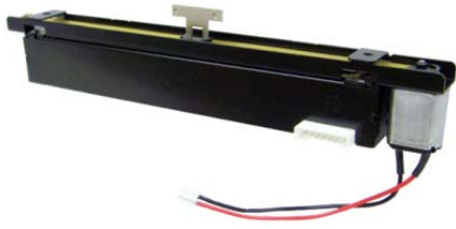
Unit : mm

Model	Dimensions	
RF□□F 		
		<p><b>CIRCUIT</b></p>  <p><b>CONNECTOR</b></p> 

P.C.B Mounting hole detail		S	A	B
Dimensions			(S+28)	(S+20)
Model				
RF45F		45	77.2	65
RFA0F		100	132.2	120

# SLIDE POTENTIOMETER

## Long Life Rail Master With Motor Type

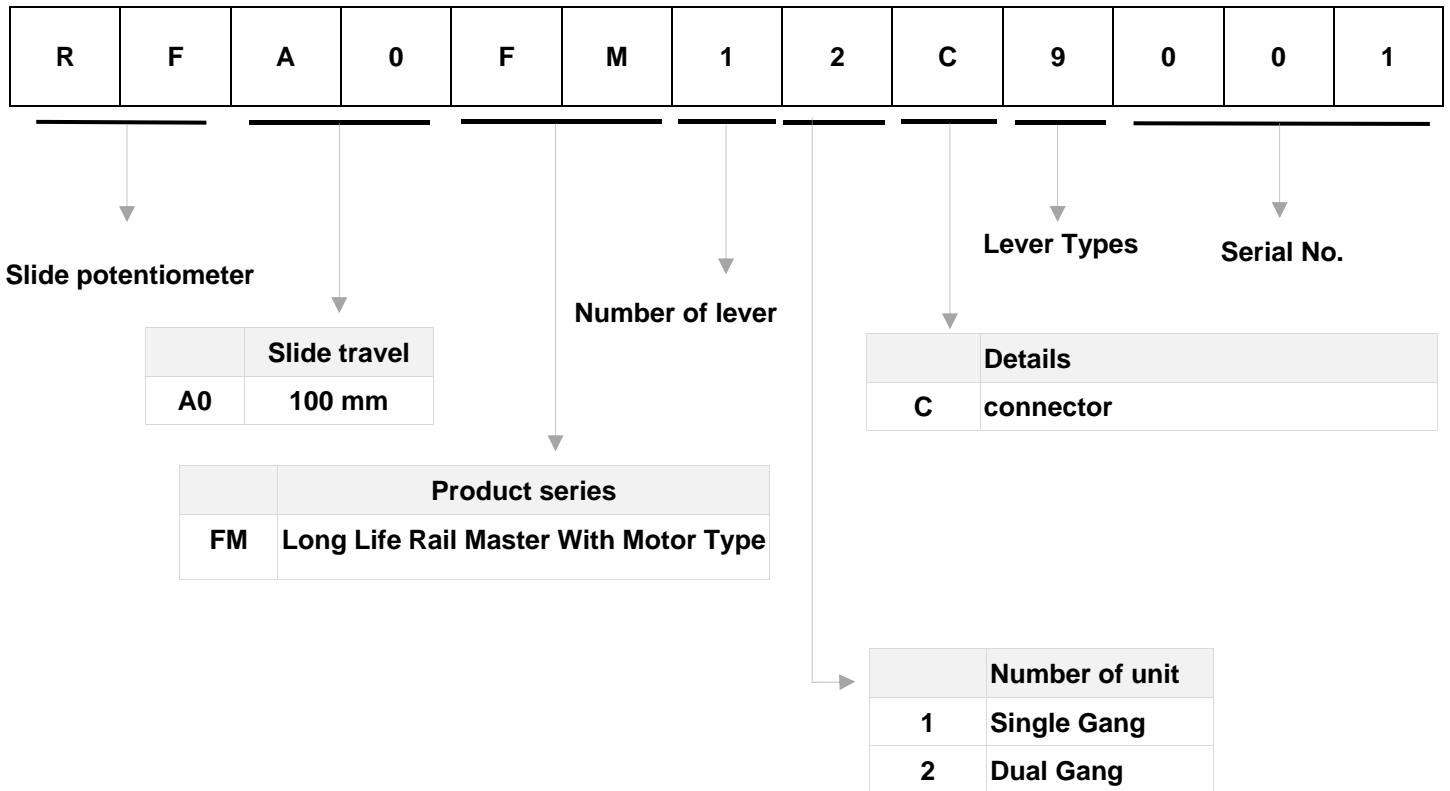


### ◆ FEATURE

- Programmable and precise slide pattern.
- Touch sensitive lever which enables fader to the slightest physical contact

### ◆ APPLICATIONS

- Master volume control in high-grade audio equipment fader for studio mixer, etc.



### ◆ COMMON SPECIFICATIONS

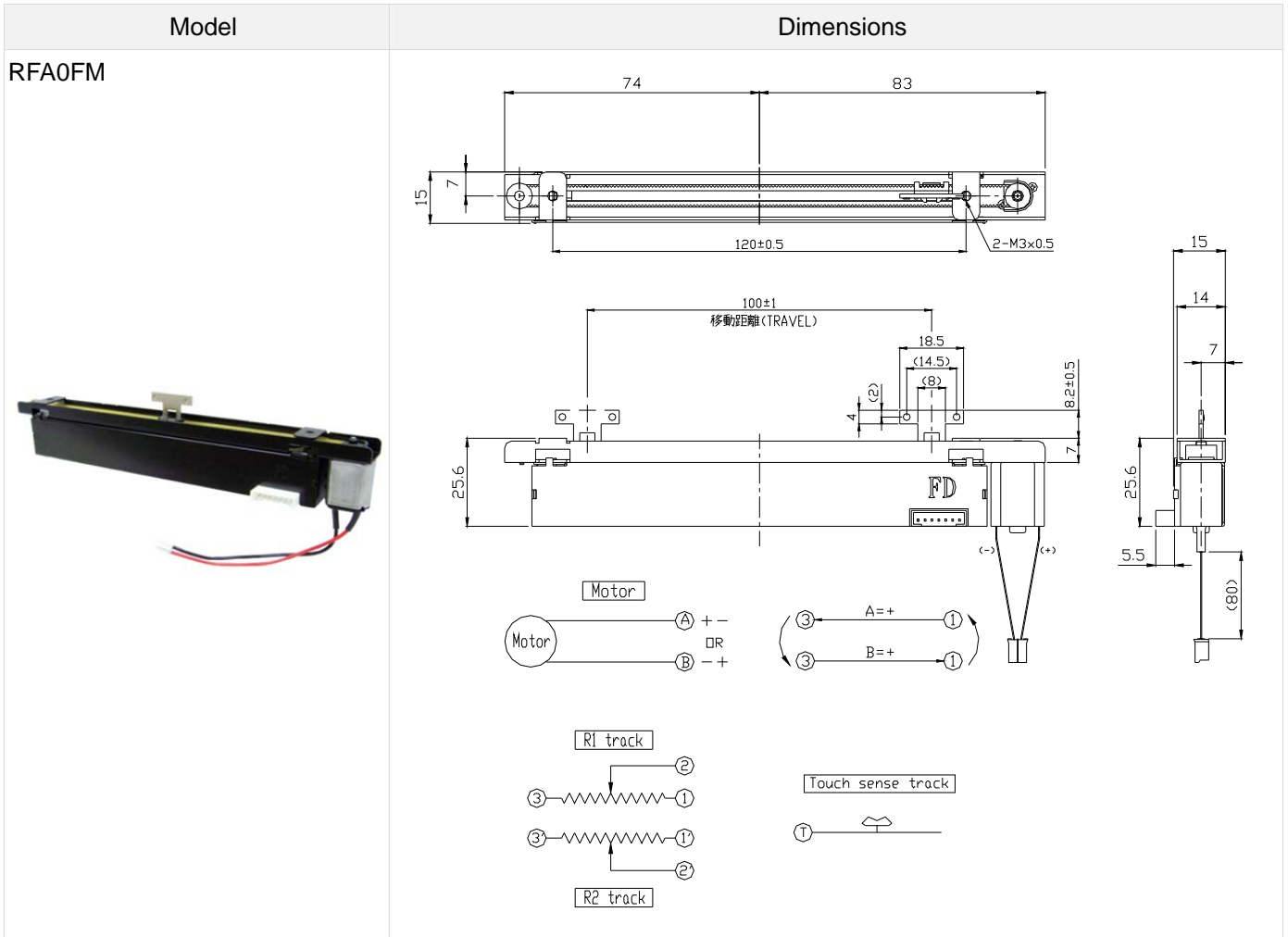
Characteristics	Specification
Operating temperature range	-10°C to +70°C
Operating force	10 ~ 60 gf
Total resistance (KΩ)	10、20、50、100、250、500
Total resistance tolerance	±20%
Resistance taper	A,B,C
Insulation resistance	100MΩ min. 250V DC
Sliding service life	1,000,000 cycles
Rated voltage	5V D.C
Maximum current	400~800mA

# SLIDE POTENTIOMETER

## Thin Long Life Rail Master With Motor Type

DIMENSION

Unit : mm



# SLIDE POTENTIOMETER

## Slim Type

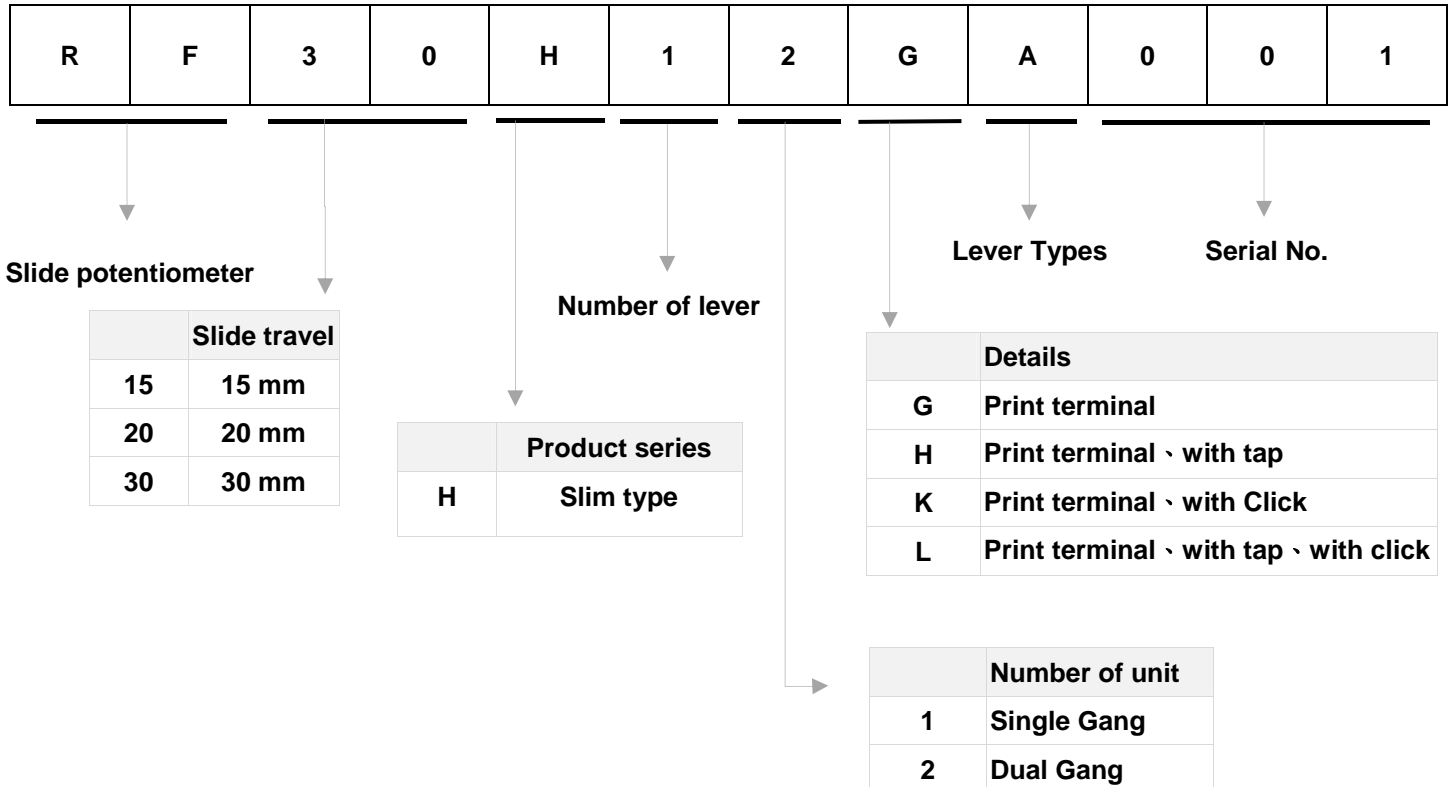


### ◆ FEATURE

- Insert molding of a resistor prevents flux build-up
- Enhanced an operational feel, snap characteristics and autonomy

### ◆ APPLICATIONS

- Graphic equalizers in mini components, radio cassette units and various other controls.



### ◆ COMMON SPECIFICATION

Characteristics	Specification
Operating temperature range	-10°C to +70°C
Operating force	20 ~ 110 gf
Total resistance (KΩ)	5、10、20、50、100、250、500
Total resistance tolerance	±20%
Resistance taper	A,B,C
Sliding service life	10,000 cycles

# SLIDE POTENTIOMETER

## Super With LED Type

### LEVER TYPES

Unit : mm

Material	Insulated lever					
Lever type	A		C		D	
Dimensions						
Length (L)	4.5	9.5	9.5	14.5	9.5	14.5

**Note:** The color of the D type lever is black. Red, orange and white are selectable for markers.

### DIMENSIONS

Unit : mm

Model	Dimensions						
RF□□H (Vertical type)							

#### P.C.B Mounting hole detail

Model	S	A (S+15)	B (S+12.5)	C (S+7.5)	D (S+2.5)
RF15H	15	30	27.5	22.5	17.5
RF20H	20	35	32.5	27.5	22.5
RF30H	30	45	42.5	37.5	32.5

Model	Dimensions						
RF□□H- - - - 7 (Horizontal type)							

#### P.C.B Mounting hole detail

Model	S	A (S+15)	B (S+15)	C (S+10)
RF15H	15	30	30	25
RF20H	20	35	35	30
RF30H	30	45	45	40

# SLIDE POTENTIOMETER

## Rail Master Type

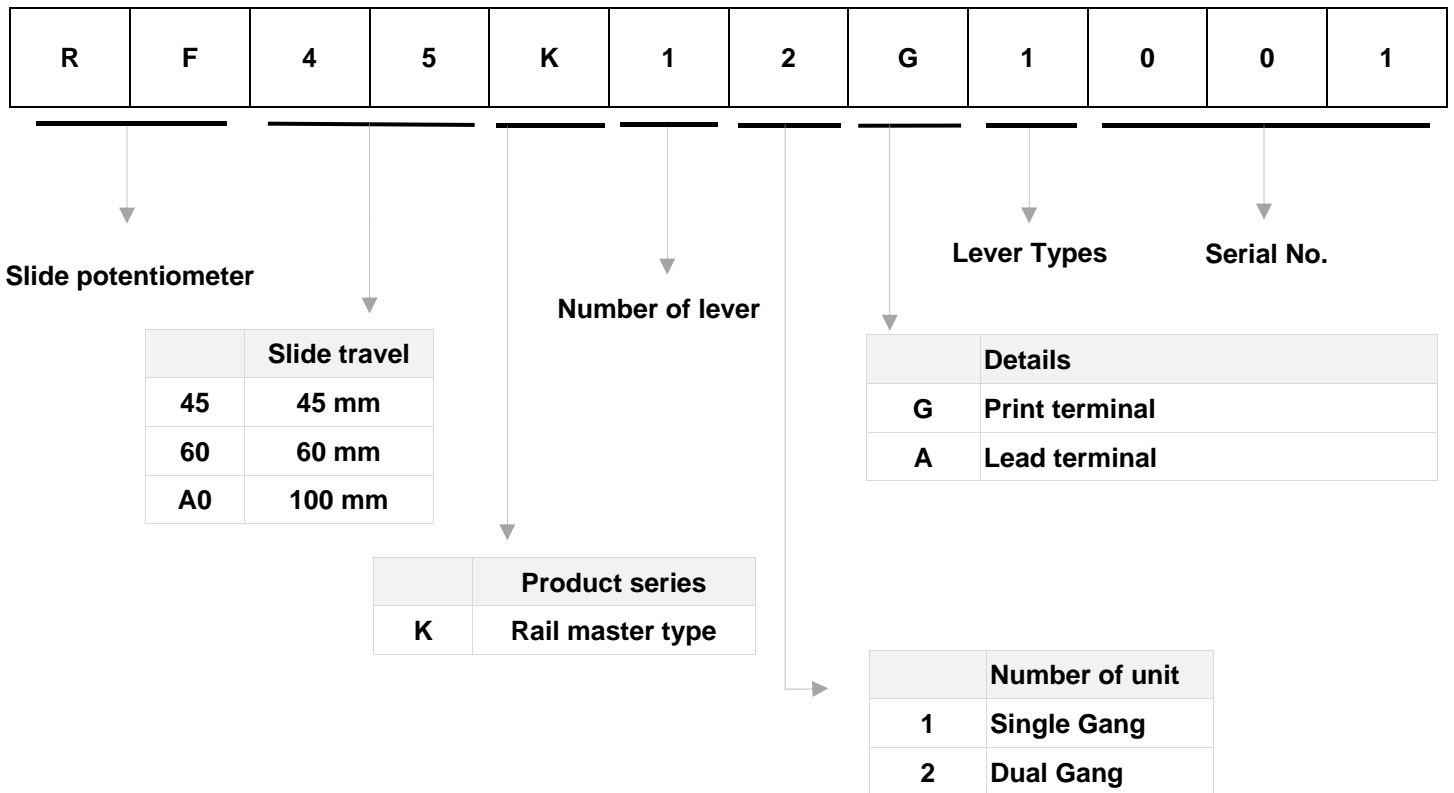


### ◆ FEATURE

- Excellent operation feeling and high-precision characteristics.
- Low residual resistance and long life.

### ◆ APPLICATIONS

- Fader control in mixer and high grade audio.



### ◆ COMMON SPECIFICATIONS

Characteristics	Specification
Operating temperature range	-10°C to +70°C
Operating force	60 gf MAX
Total resistance (KΩ)	5、10、20、50、100、250、500
Total resistance tolerance	±20%
Resistance taper	A,B,C
Sliding service life	100,000 cycles

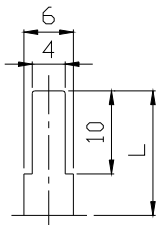
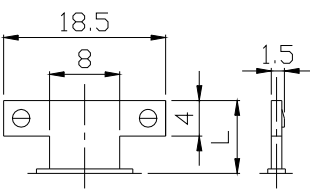


# SLIDE POTENTIOMETER

## Rail Master Type


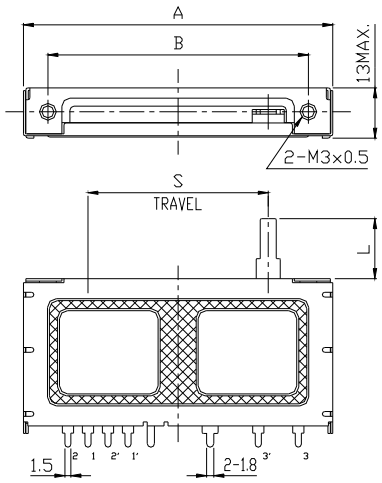
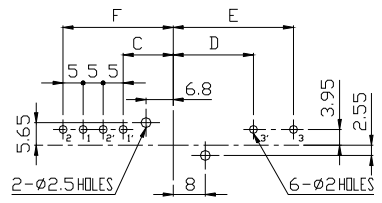
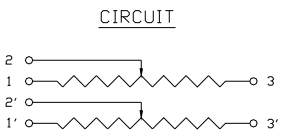
### LEVER TYPES

Unit : mm

Material	Metal lever	
Lever type	3	9
Dimensions	t=1.2	
		
Length (L)	15      20	8.2

### DIMENSIONS

Unit : mm

Model	Dimensions
RF□□K	   

### P.C.B Mounting hole detail

Model	Dimensions	S	A (S+32.5)	B (S+20)	C	D	E	F
RF45K		45	77.5	65	12.5	20	30	27.5
RF60K		60	92.5	80	20	27.5	37.5	35
RFA0K		100	132.5	120	40	47.5	37.5	55

# SLIDE POTENTIOMETER

## Low-Profile With Motor Type

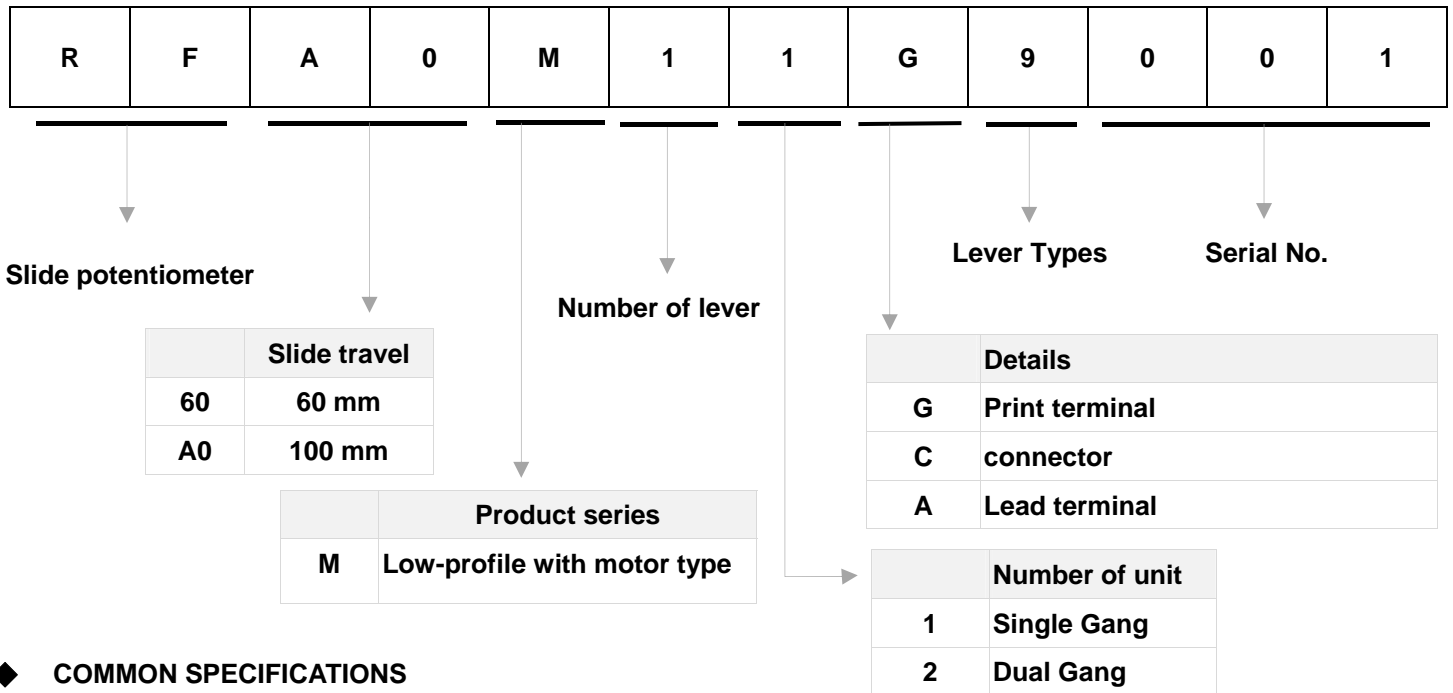


### ◆ FEATURE

- Programmable and precise slide pattern.
- Touch sensitive lever which enables fader to the slightest physical contact.

### ◆ APPLICATIONS

- Master volume control in high-grade audio equipment fader for studio mixer, etc.



### ◆ COMMON SPECIFICATIONS

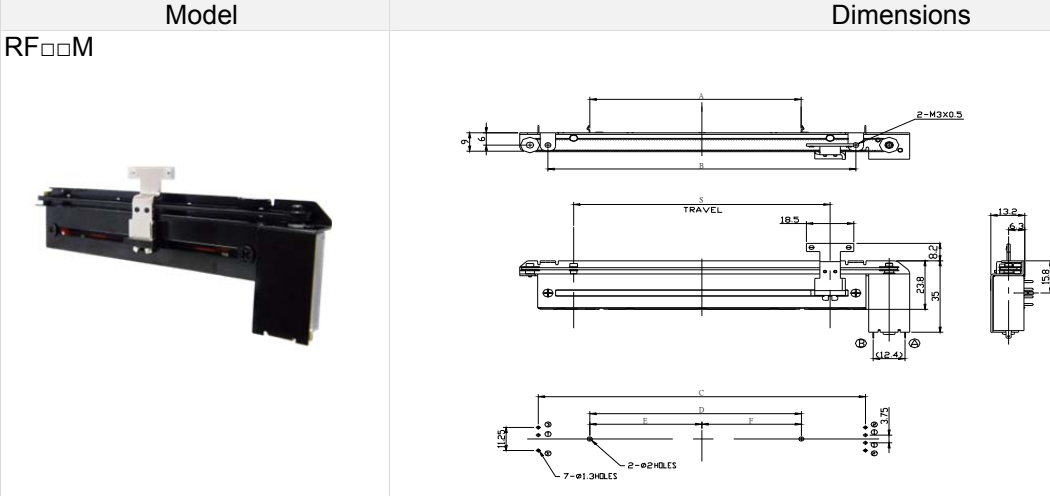
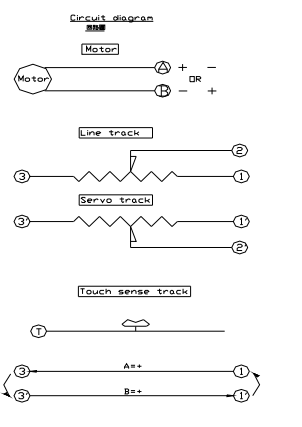
Characteristics	Specification
Operating temperature range	-10°C to +70°C
Operating force	20 ~ 130 gf      Operating force
Stopper strength	5 Kgf / 10 sec
Lever push-pull strength	5 Kgf / 10 sec
Lever wobble (mm)	2 (2xL/25) (Both sides)
Lever deviation (mm)	0.5 max. (One side)
Solder heat resistance	Lower than 260°C for less than 5 seconds
Total resistance (KΩ)	5、10、20、50、100、250、500
Total resistance tolerance	±20%
Resistance taper	A,B,C
Insulation resistance	100MΩ min. 250V DC
Voltage proof	1 minute 250V AC
Sliding service life	50,000 cycles
Rated voltage	10V D.C
Maximum current	400~800mA

# SLIDE POTENTIOMETER

## Low-Profile With Motor Type

### DIMENSIONS

Unit : mm

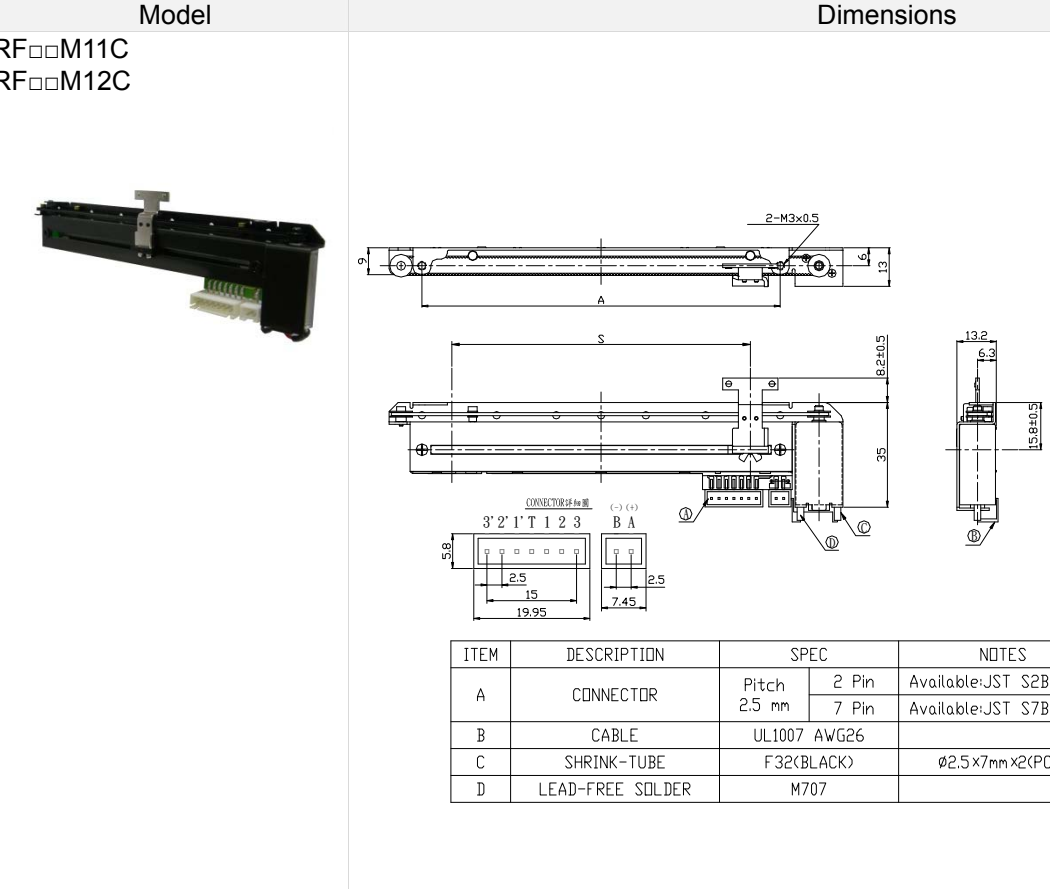
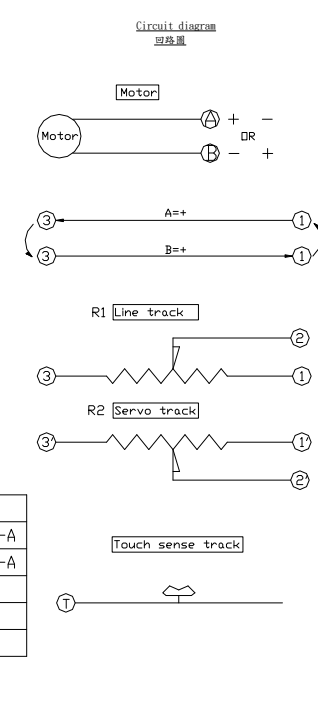
Model	Dimensions
RF□□M	 <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Circuit diagram</p>  </div> </div>

#### P.C.B Mounting hole detail

Model	Dimensions	S	A (S+28)	B (S+20)	C (S+27.5)	D	E	F
RF60M		60	51.2	80	87.5	51.7		
RFA0M		100	82.35	120	127.5	82.5	43.7	38.8

### DIMENSIONS

Unit : mm

Model	Dimensions
RF□□M11C RF□□M12C	 <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Circuit diagram</p>  </div> </div>

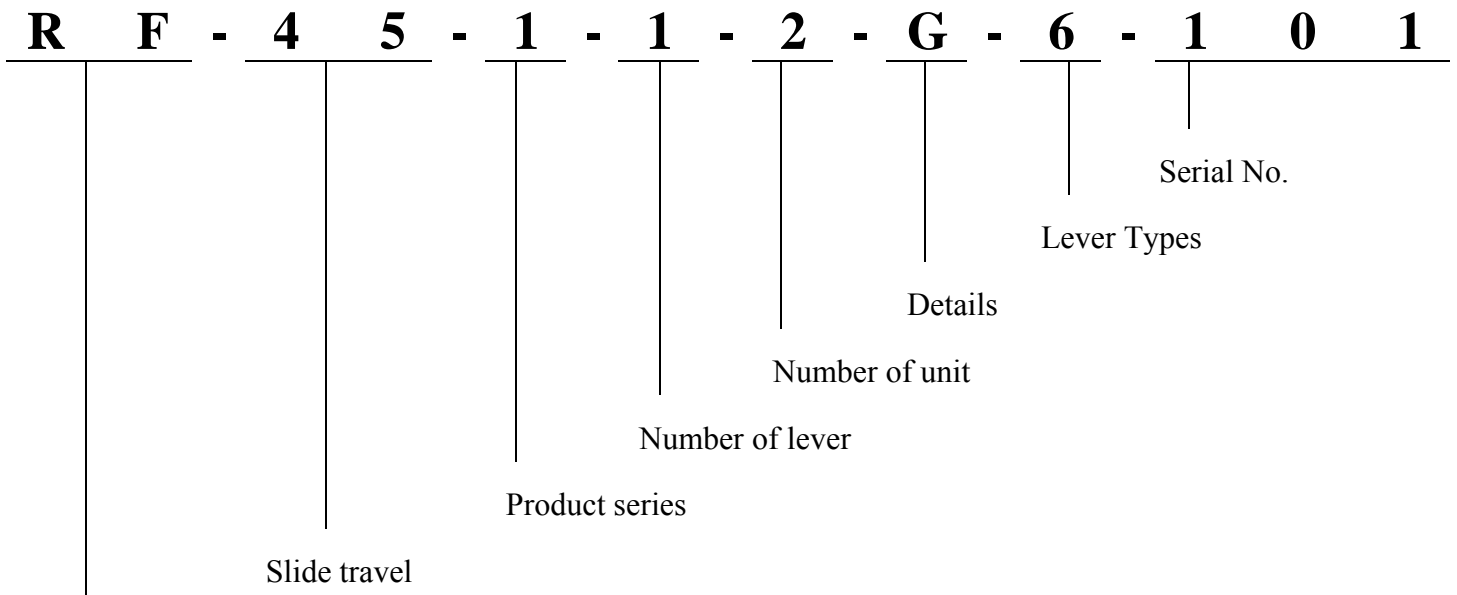
ITEM	DESCRIPTION	SPEC	NOTES
A	CONNECTOR	Pitch 2.5 mm	2 Pin Available:JST S2B-XH-A 7 Pin Available:JST S7B-XH-A
B	CABLE	UL1007 AWG26	
C	SHRINK-TUBE	F32(BLACK)	φ2.5x7mmx2(PCS)
D	LEAD-FREE SOLDER	M707	

#### Dimension of outline

Model	Dimensions	S	A (S+20)
RF60M12C		60	80
RFA0M12C		100	120

# SLIDE POTENTIOMETER

## Products Numbering System



Slide potentiometer (RF、RS)

Product series

1	Super type
2	Super with LED type
H	Slim type
S	Low-profile master type
N	Low-profile master type
B	Rail master type
T	Rail master type
K	Rail master type
P	Mini type
M	Low-profile with motor type
W	Rail with motor type
L	Sensor
Z	Long life rail master type

Details

A	Lead terminal
G	Print terminal
H	Print terminal、with tap
K	Print terminal、with Click
L	Print terminal、with tap、with click
P	Snap-in mounting type
C	Connector

# SLIDE POTENTIOMETER

## Low-Profile Master Type



### ◆ Applications

- Fader control in mixer of popular type.

### ◆ Features

- Excellent operational feel by less lever wobble.
- Both single-unit type and dual-unit type with the same outline size available.

### ◆ Common specifications

Characteristics	Specification
Operating temperature range	-10°C to +70°C
Operating force	30 ~ 250 gf
Total resistance (KΩ)	5、10、20、50、100、250、500
Total resistance tolerance	±20%
Resistance taper	A,B,C
Sliding service life	15,000 cycles

### ◆ Dimensions

Unit : mm

Model	Dimensions
RFA0S11	
RF□□N11	
RF□□N12	

### P.C.B Mounting hole detail

Model	Dimensions	S	A (S+28)	B (S+20)	C (S+27.5)	D	E	F
RFA0S		100	128	120	127.5	82.2	42.1	40.1
RF45N		45	73	65	72.5			
RF60N		60	88	80	87.5			
RFA0N		100	128	120	127.5	82.5	43.7	38.8

# SLIDE POTENTIOMETER

## Low-Profile Master Type

### ◆Lever Types

Unit : mm

Material	Metal lever													
Lever type	1				4						6			
Dimensions														
Length (L)	12	8	14.5	17	14	15	16.5	20	25	30	15	18.5	19	20
Lever type	9-1				9-2									
Dimensions														
Length (L)	10				8.2									

# SLIDE POTENTIOMETER

## Rail Master Type

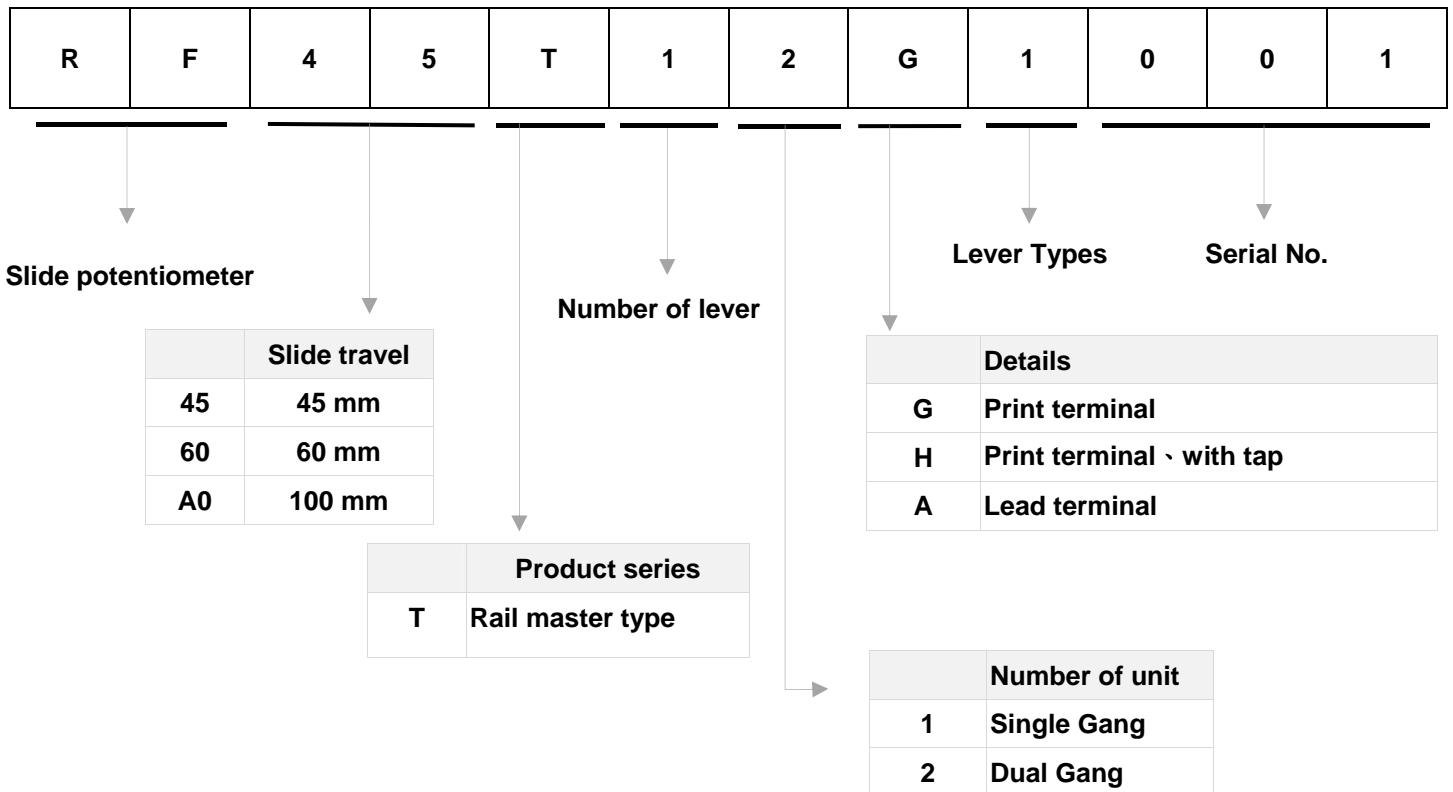


### ◆ FEATURE

- Excellent operation feeling and high-precision characteristics.
- Low residual resistance and long life.

### ◆ APPLICATIONS

- Fader control in mixer and high grade audio.



### ◆ COMMON SPECIFICATIONS

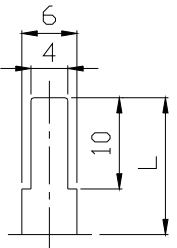
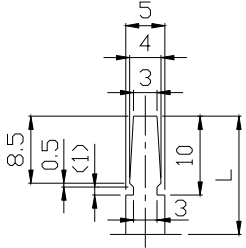
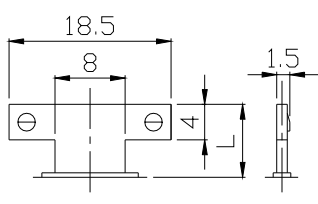
Characteristics	Specification
Operating temperature range	-10°C to +70°C
Operating force	50 gf MAX
Total resistance (KΩ)	5 、 10 、 20 、 50 、 100 、 250 、 500
Total resistance tolerance	±20%
Resistance taper	A,B,C
Sliding service life	100,000 cycles

# SLIDE POTENTIOMETER

## Rail Master Type


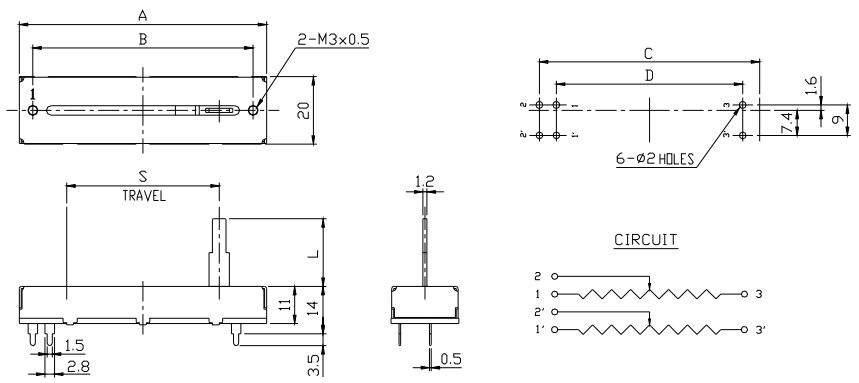
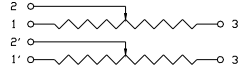

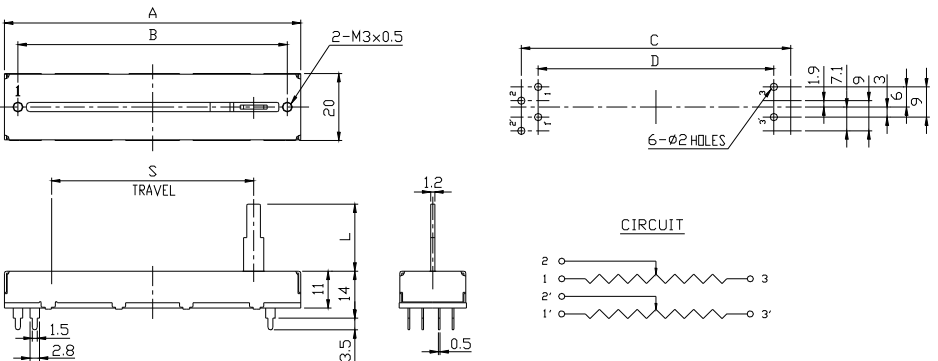
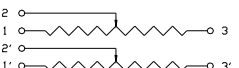
### LEVER TYPES

Unit : mm

Material	Metal lever					
Lever type	3		4		9	
Dimensions	$t=1.2$ 		$t=1.2$ 		$t=1.2$ 	
Length (L)	15	20	25	15	20	8.2

### DIMENSIONS

Unit : mm

Model	Dimensions
 RF45T	 <p>CIRCUIT</p> 
 RF60T/RFA0T	 <p>CIRCUIT</p> 

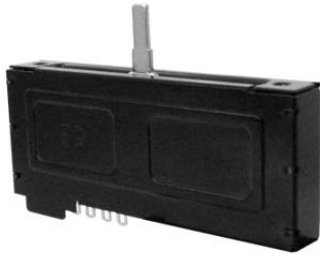
### P.C.B Mounting hole detail

Model	Dimensions	S	A (S+28)	B (S+20)	C (S+20)	D (S+10)
RF45T		45	73	65	65	55
RF60T		60	88	80	80	70
RFA0T		100	128	120	120	110



# SLIDE POTENTIOMETER

## Long Life Rail Master Type

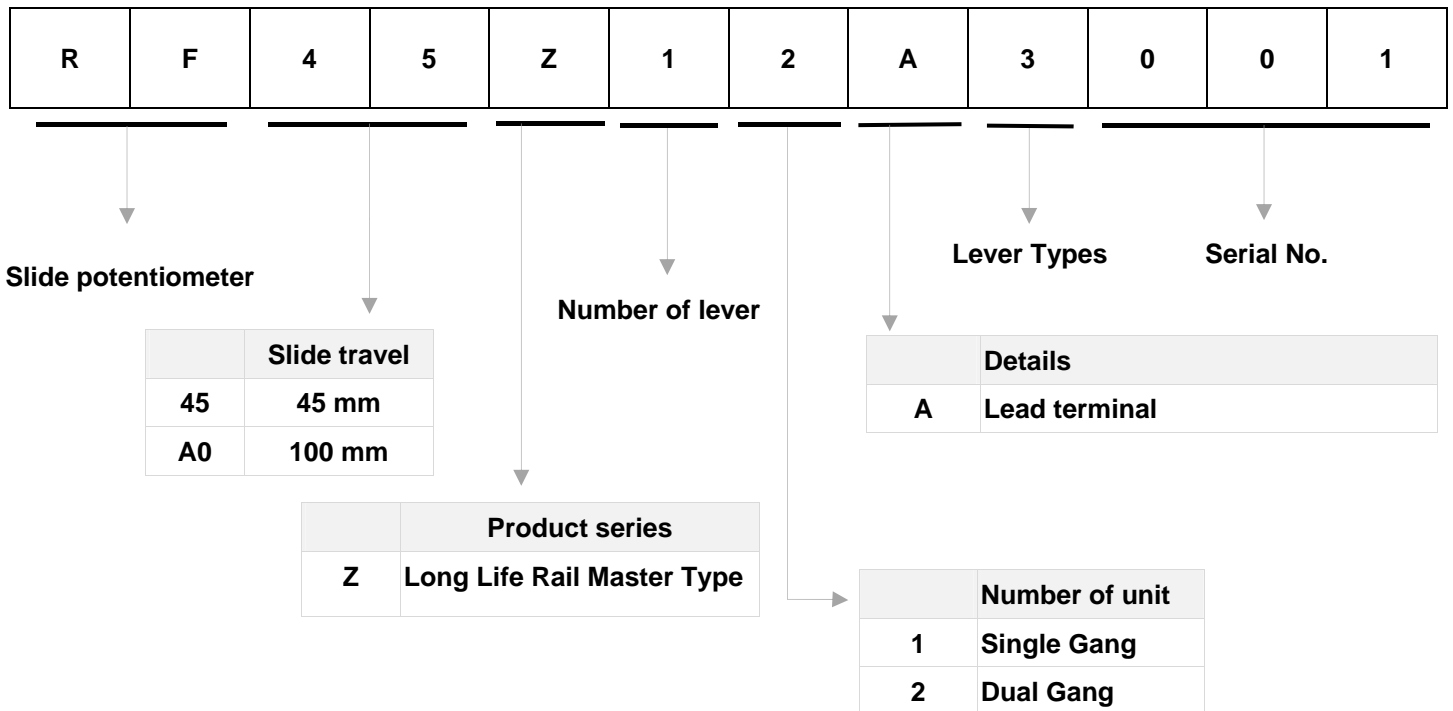


### ◆ FEATURE

- Excellent operation feeling and high-precision characteristics.
- Low residual resistance
- Long life : 1,000,000 cycles

### ◆ APPLICATIONS

- Fader control in mixer and high grade audio.



### ◆ COMMON SPECIFICATIONS

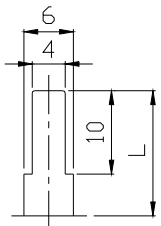
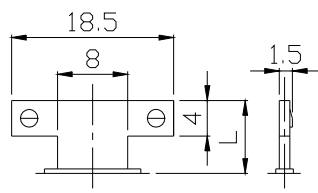
Characteristics	Specification
Operating temperature range	-10°C to +70°C
Storage temperature range	-30°C to +70°C
Operating force	20 gf max.
Total resistance (KΩ)	10、20、50、100、250、500
Total resistance tolerance	±20%
Residual resistance	1Ω max.
Resistance taper	A,B,C
Insulation resistance	100MΩ min.
Slider noise	47mV min.
Lever deviation	0.5mm(One side)
Voltage proof	1 minute 1000V AC
Maximum operating voltage	A.C 350V/D.C 20V
Sliding service life	1,000,000 cycles

# SLIDE POTENTIOMETER

## Long Life Rail Master Type


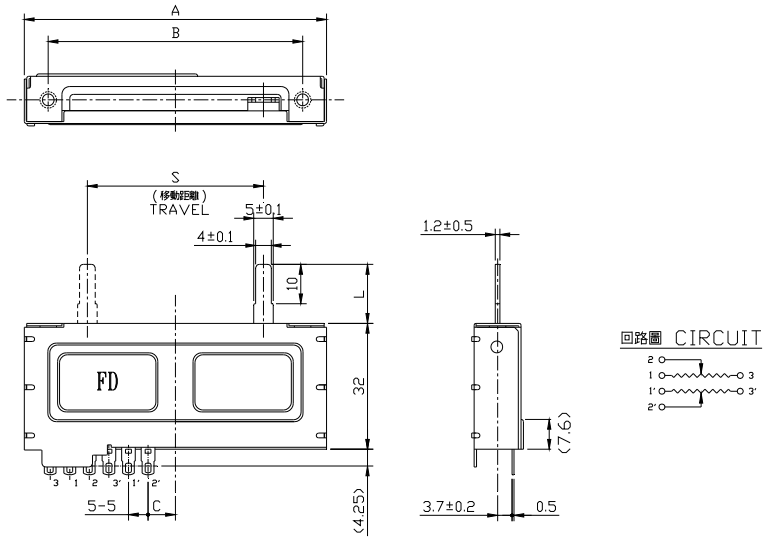
### ◆ LEVER TYPES

Unit : mm

Material	Metal lever	
Lever type	3	9
Dimensions	$t=1.2$ 	$t=1.2$ 
Length (L)	11	15
		8.2

### DIMENSIONS

Unit : mm

Model	Dimensions
RF□□Z	 

### P.C.B Mounting hole detail

Model	Dimensions			
	S	A (S+32.5)	B (S+20)	C
RF45Z	45	77.5	65	7
RFA0Z	100	132.5	120	34.5

# SLIDE SENSOR

## Long Life Rail Master With Motor Type



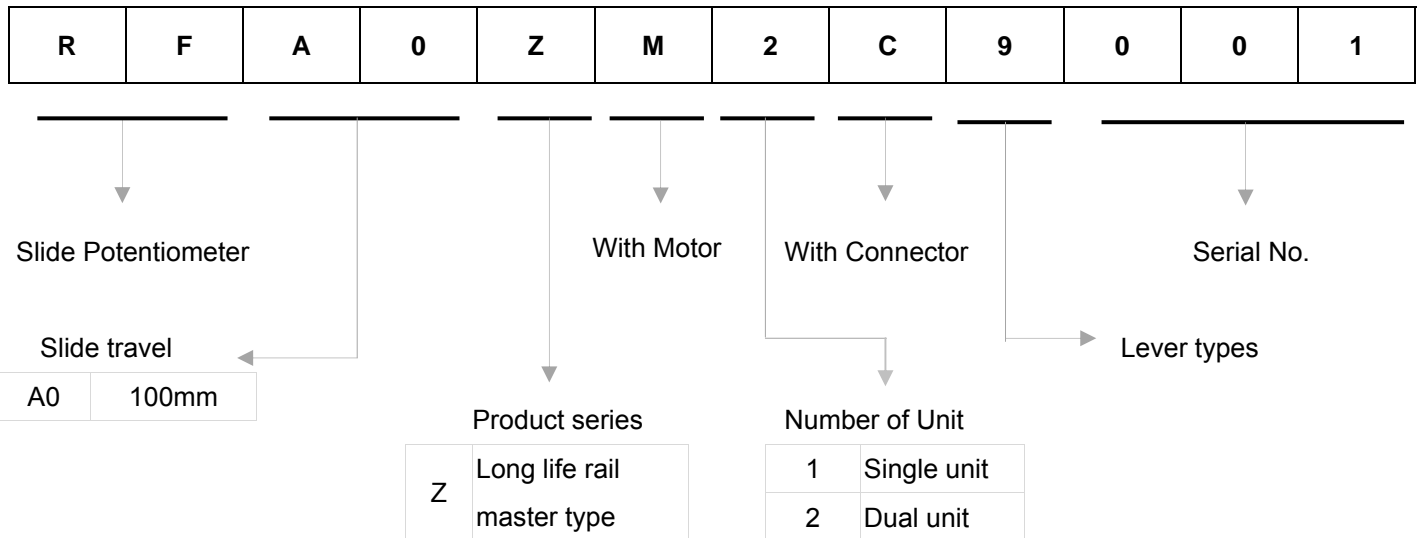
### ◆ FEATURE

- Programmable and precise slide pattern.
- Touch sensitive lever which enables fader to the slightest physical contact.

### ◆ APPLICATIONS

- Master volume control in high-grade audio equipment fader for studio mixer, etc.

### ◆ PRODUCTS NUMBERING SYSTEM



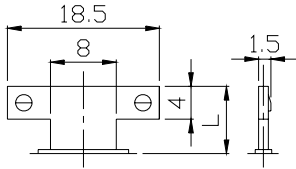
### ◆ COMMON SPECIFICATIONS

Characteristics	Specification
Operating temperature range	-10°C to +70°C
Total resistance (KΩ)	5、10、20、50、100、250、500
Total resistance tolerance	±20%
Resistance taper	A、B、C
Operating force	50 gf max
Sliding service life	1,000,000 cycles
Rated voltage	10V D.C
Operating supply voltage range	6~11V D.C.
Maximum current	800mA max

# SLIDE SENSOR

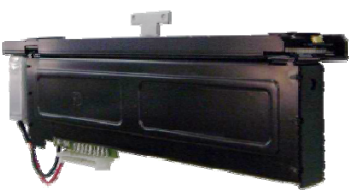
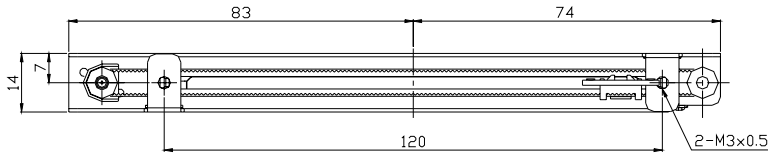
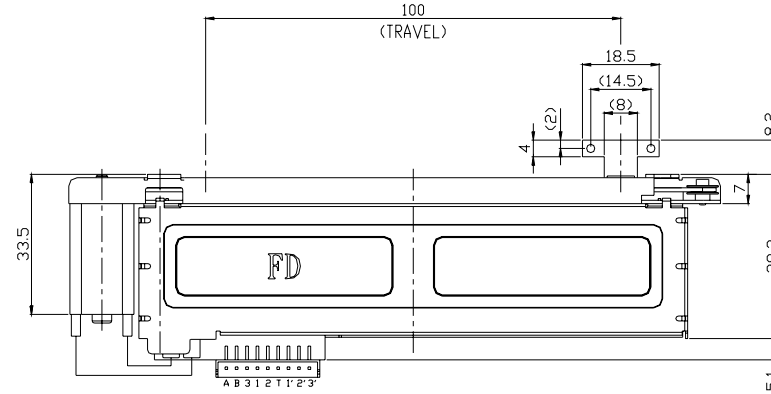
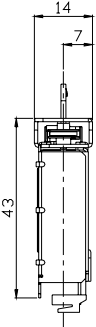
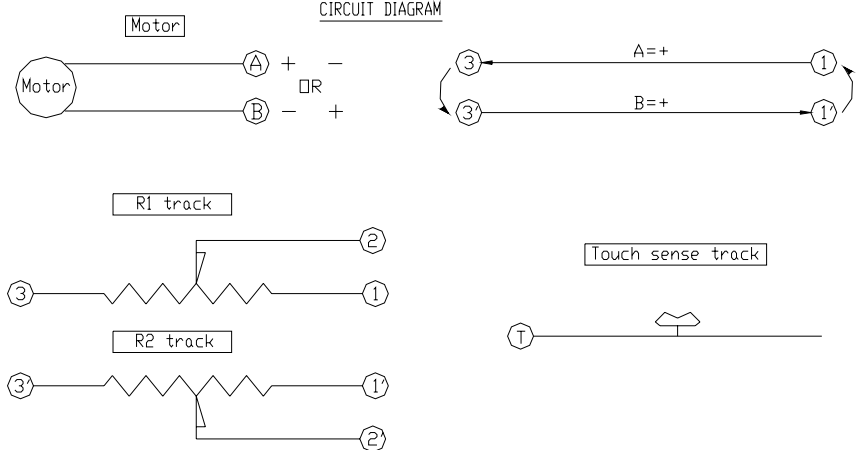
## Long Life Rail Master With Motor Type

### LEVER TYPES

Material	Metal lever
Lever type	<b>9</b>
	t=1.2
Dimensions	
Length (L)	8.2

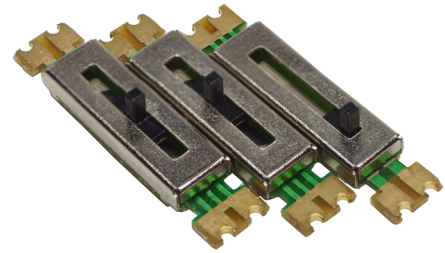
### DIMENSIONS

Unit : mm

Model	Dimensions
RFA0ZM	    <p><b>CIRCUIT DIAGRAM</b></p>  <p>The circuit diagram includes the following components and connections:</p> <ul style="list-style-type: none"> <li><b>Motor:</b> A two-wire motor with terminals A (+) and B (-).</li> <li><b>R1 track:</b> A resistive track with terminals 3, 1, and 2.</li> <li><b>R2 track:</b> A resistive track with terminals 3, 1, and 2.</li> <li><b>Touch sense track:</b> A track with terminal T.</li> </ul>

# Miniature Slide Potentiometer

## PSM Series



### Features:

- Microminiature package (5mm wide, as low as 4mm travel)
- Smooth slide
- Long operational life
- Carbon composite resistive element
- Options for resistance, length, mounting, and more

## Electrical Specifications

Total Resistance	500Ω—50KΩ
Total resistance tolerance	±20%
Resistance taper	A&B taper
Residual resistance	10Ω max.
Rated power	0.01W
Linearity tolerance	Less than 5%
Insulated resistance	More than 50MΩ at DC 100V for 1 minute

## Mechanical Specifications

Slide/mechanical travel	4, 5 and 10 mm
Sliding torque	5gf to 90gf
Sliding stopper strength	>3.0Kgf
Push-pull strength of lever	>3.0Kgf
Slide life	5,000 cycles

General Note  
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

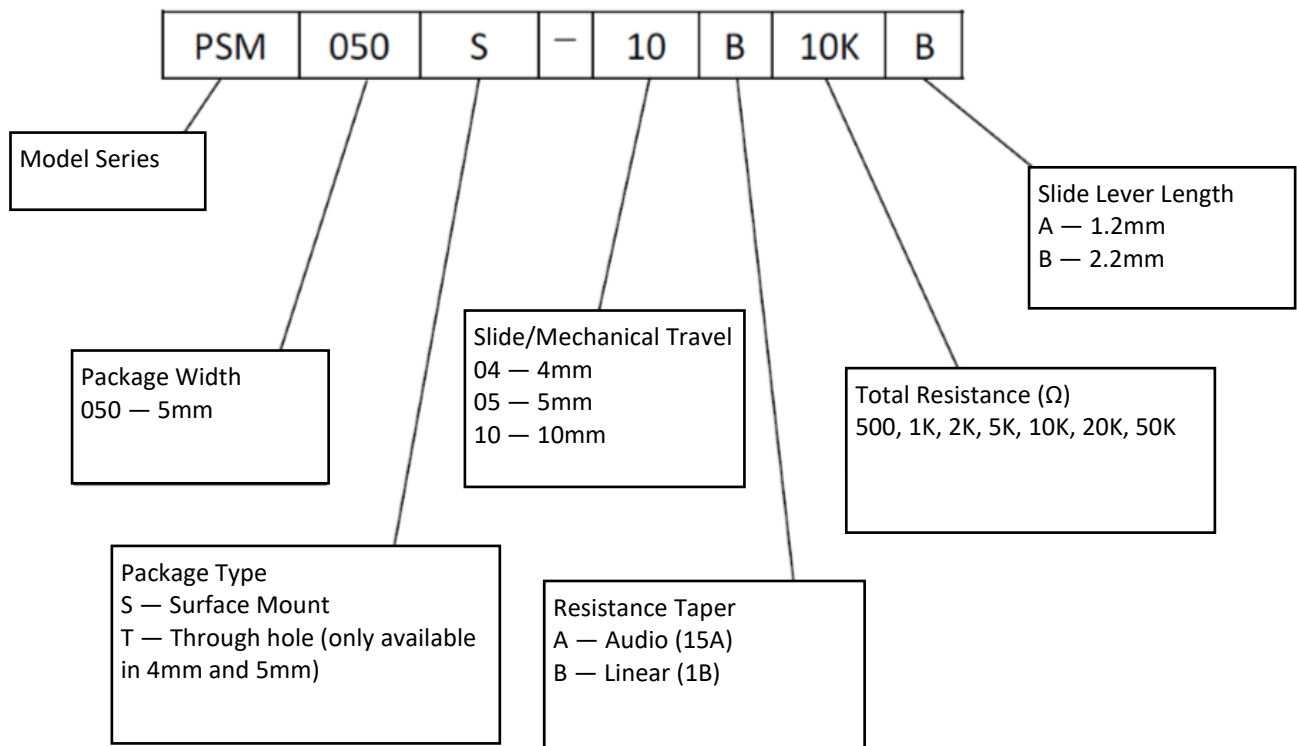
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www.ttelectronics.com/bi-technologies  
Issue B 1/2019 Page 1

### Environmental Specifications

Storage temperature	-30°C to +80°C
Operating temperature	-10°C to +70°C
Soldering condition	Wave soldering: 260±5°C max.

### Ordering Options



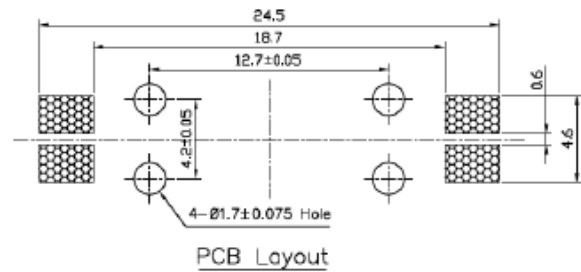
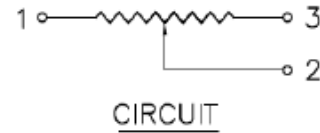
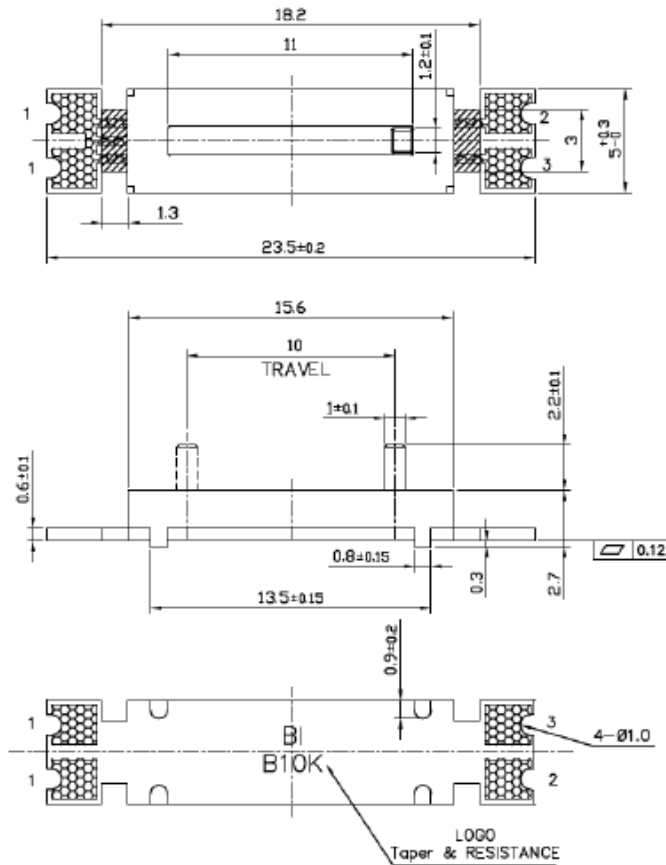
# Miniature Slide Potentiometer

## PSM Series



### Outline Drawings

PSM050S-10



General Note  
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Issue B 1/2019 Page 3