

## 12mm Molded Case Series

### Application

- ✓ Audio

### Feature

- ✓ Low-profile



### ■Specification

Total Rotational Angle	230±5°
Maximum Operating Voltage	Linear taper (B): 150V, other tapers: 100V
Insulation Resistance	50MΩ at DC500V
Dielectric Strength	AC500V for 1 minute
Rotational Torque	20-200 gf.cm
Switch Working Angle	30±10°
Switch Working Torque	50-300 gf.cm
Switch Rating	12V DC 0.5A
Switch Circuit	S.P.S.T
Rotation Life	15,000 cycles

### ■How to order

RV121F-30 – 012J - B10K – 00K

[Model](#)

[Shaft Type](#)

#### Taper and Resistance Value

Ex:

Order Code	Taper	Resistance Value
A100K	Audio/Log/A	100KΩ
B1M	Linear/B	1MΩ
C500K	Rev-log/C	500KΩ

Taper: A, B and C

Resistance Value: 1KΩ to 500KΩ and 1MΩ

\*Contact us for other requirements.

#### Knob and Screw

Order Code	Description
Blank	Without
00K	With

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### Model Description

Model	Number of Unit	Terminal Type	Switch	Rotational Angle
<a href="#">RV121F-10</a>	Single unit	Solder lug	Without switch	230°±5°
<a href="#">RV121F-30</a>	Single unit	PCB board (vertical); front	Without switch	230°±5°
<a href="#">RV121SF-10</a>	Single unit	Solder lug	With switch	230°±5°
<a href="#">RV121SF-20</a>	Single unit	PCB board (horizontal)	With switch	230°±5°
<a href="#">RV121SF-30</a>	Single unit	PCB board (vertical); front	With switch	230°±5°
<a href="#">RV121SF-40</a>	Single unit	PCB board (vertical); back	With switch	230°±5°

Order Code	Outline Drawing
RV121F-10 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>● 230° ROTATION MONO UNIT</p> <p>CIRCUIT</p>
RV121F-30 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p> <p>● 230° ROTATION MONO UNIT</p> <p>CIRCUIT</p> <p>P.C.B. MOUNTING HOLE DETAIL</p>

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# POTENTIOMETERS



## 12mm Molded Case Series

Order Code	Outline Drawing
<p>RV121SF-10</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>  <p>230° ROTATION. MONO UNIT WITH ROTARY SW S.P.S.T.12V DC 0.5A</p>
<p>RV121SF-20</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>  <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>230° ROTATION. MONO UNIT WITH ROTARY SW S.P.S.T.12V DC 0.5A</p>
<p>RV121SF-30</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>  <p>P.C.B. MOUNTING HOLE DETAIL</p> <p>230° ROTATION. MONO UNIT WITH ROTARY SW S.P.S.T.12V DC 0.5A</p>
<p>RV121SF-40</p> 	 <p>SHAFT SHOWN IN FULL C.C.W. POSITION</p>  <p>P.C.B. MOUNTING HOLE DETAIL (VIEWED FROM MOUNTING SIDE)</p> <p>230° ROTATION. MONO UNIT WITH ROTARY SW S.P.S.T.12V DC 0.5A</p>

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### ■ J Type Shaft

	<table border="1"> <thead> <tr> <th>Order Code</th> <th>Shaft Length (L)</th> </tr> </thead> <tbody> <tr> <td>009J</td> <td>0.9 mm</td> </tr> <tr> <td>012J</td> <td>1.2 mm</td> </tr> <tr> <td>02J</td> <td>2.0 mm</td> </tr> <tr> <td>022J</td> <td>2.2 mm</td> </tr> </tbody> </table>	Order Code	Shaft Length (L)	009J	0.9 mm	012J	1.2 mm	02J	2.0 mm	022J	2.2 mm
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Design and specifications presented here are for the standard parts only. Please kindly contact us for your special requests and ask for the current technical specifications before purchase and/or use.

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# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Alpha (Taiwan):

[RV121F-30-009J-A10K-00K](#) [RV121F-30-009J-B10K-00K](#) [RV121F-30-009J-A54-00K](#) [RV121SF-30-009J-A13-00K](#)  
[RV121SF-30-009J-A53-00K](#) [RV121SF-30-009J-A10K-00K](#) [RV121SF-30-009J-A54-00K](#) [RV121F-10-009J-B14-00K](#)  
[RV121F-30-009J-B5K-00K](#) [RV121F-10-009J-B100K-00K](#) [RV121F-10-009J-A14-00K](#) [RV121F-10-009J-A500K-00K](#)  
[RV121SF-30-009J-A55-00K](#) [RV121F-30-009J-A55-00K](#) [RV121F-30-009J-B13-00K](#) [RV121F-10-009J-A13-00K](#)  
[RV121F-30-009J-A15-00K](#) [RV121F-30-009J-B15-00K](#) [RV121F-10-009J-A15-00K](#) [RV121F-30-009J-A53-00K](#)  
[RV121SF-30-009J-B5K-00K](#) [RV121F-10-009J-A250K-00K](#) [RV121F-30-009J-B500K-00K](#) [RV121SF-30-009J-B500K-](#)  
[00K](#) [RV121SF-30-009J-A50K-00K](#) [RV121SF-30-009J-A1K-00K](#) [RV121F-30-009J-A50K-00K](#) [RV121SF-30-009J-B1M-](#)  
[00K](#) [RV121F-30-009J-A5K-00K](#) [RV121F-10-009J-B10K-00K](#) [RV121F-30-009J-B1K-00K](#) [RV121F-30-009J-B100K-00K](#)  
[RV121F-30-009J-B5K](#)