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R50E.pdf

Trimmer Potentiometers





Innovator in Electronics

Murata Manufacturing Co., Ltd.

Cat.No.R50E-16

Trimmer Potentiometers



SMD Open Type 2mm Size PVZ2/PVA2 Series

PVZ2 Series

Features

- 1. Ultra-small and thin external dimensions of 2.1(W)x2.7(L)x0.85 max. (T)mm. (Top adjustment type: PVZ2A_C04 Series)
- 2. Ultra-small and thin external dimensions of 2.1(W)x4.8(L)x0.9 max. (T)mm. (Rear adjustment type: PVZ2R_C04 Series) Compact PCB design is possible by smaller adjustment hole (3.0mm dia.) due to short wing length (4.8mm).
- 3. Au plated termination achieves a high density PCB mounting.
- 4. Cross-shaped driver slot allows for in-process automatic adjustment and it provides superior adjustability.
- 5. Two-piece parts construction achieves low cost and excellent quality.
- 6. Special resin substrate allows high peak temperature for reflow soldering. (PVZ2_Cxx Series)

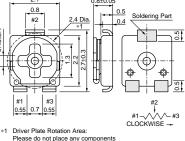
Applications

- 1. Pick-up module 2. LCD
- 3. Cellular-phone 4. PHS
- 5. Pager
- 7. Digital camera 8. Portable audio, etc.

6. DVC

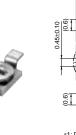


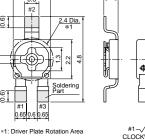
PV72A

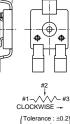


Please do not place any components more than 0.5mm in height within this area

(Tolerance: ±0.2 in mm)







PV72R

Part Number	Power Rating (W)	Soldering Method	Number of Turns (Effective Rotation Angle)	Total Resistance Value	TCR (ppm/°C)
PVZ2□471C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	470ohm ±30%	±500
PVZ2□102C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	1k ohm ±30%	±500
PVZ2222C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	2.2k ohm ±30%	±500
PVZ2□472C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	4.7k ohm ±30%	±500
PVZ2□103C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	10k ohm ±30%	±500
PVZ2223C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	22k ohm ±30%	±500
PVZ2□473C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	47k ohm ±30%	±500
PVZ2□104C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	100k ohm ±30%	±500
PVZ2224C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	220k ohm ±30%	±500
PVZ2□474C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	470k ohm ±30%	±500
PVZ2□105C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	1M ohm ±30%	±500

*Available for other resistance value.

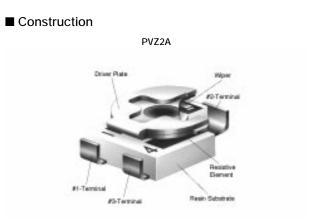
Operating Temperature Range: -25 to 85 °C

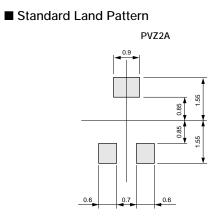
The blank column is filled with the code of adjustment direction and lead type A (top) or R (rear).



4

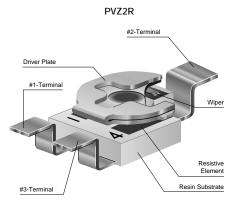
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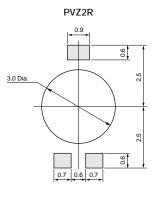


(Tolerance : ±0.1) in mm) 1

■ Construction



Standard Land Pattern



 $\binom{\text{Tolerance : } \pm 0.1}{\text{in mm}}$

■ Characteristics

Humidity Exposure	Res. Change: +10, -2%		
High Temperature Exposure	Res. Change: R≦50kohm···+2, -10% 50kohm <r···+2, -15%<="" td=""></r···+2,>		
Humidity Load Life	Res. Change: ±10%		
Load Life	Res. Change: R≦50kohm···+2, -10% 50kohm <r···+2, -15%<="" td=""></r···+2,>		
Temperature Cycle	Res. Change: ±5%		
Rotational Life	Res. Change: ±10% (10 cycles)		

