

Trimmer Potentiometers



muRata

*Innovator
in Electronics*

Murata
Manufacturing Co., Ltd.

Cat.No.R50E-16

Trimmer Potentiometers



SMD Open Type 2mm Size PVZ2/PVA2 Series

PVZ2 Series

■ Features

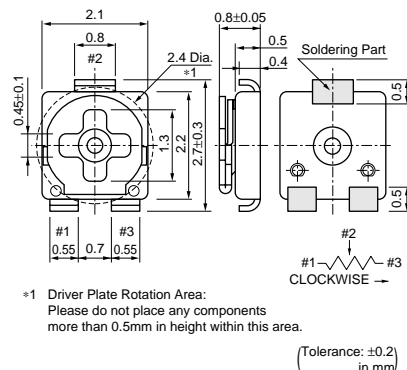
1. Ultra-small and thin external dimensions of 2.1(W)x2.7(L)x0.85 max. (T)mm.
(Top adjustment type: PVZ2A_C04 Series)
2. Ultra-small and thin external dimensions of 2.1(W)x4.8(L)x0.9 max. (T)mm.
(Rear adjustment type: PVZ2R_C04 Series)
Compact PCB design is possible by smaller adjustment hole (3.0mm 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

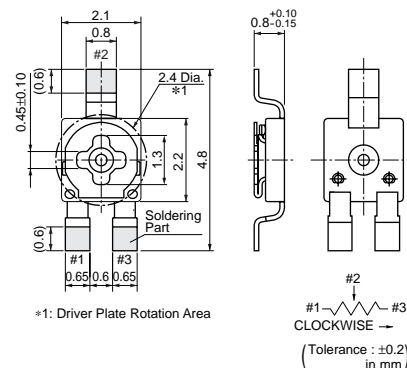
1. Pick-up module
2. LCD
3. Cellular-phone
4. PHS
5. Pager
6. DVC
7. Digital camera
8. Portable audio, etc.



PVZ2A



PVZ2R



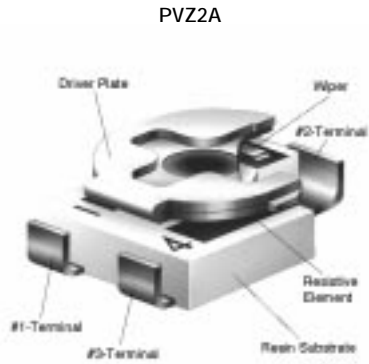
Part Number	Power Rating (W)	Soldering Method	Number of Turns (Effective Rotation Angle)	Total Resistance Value	TCR (ppm/°C)
PVZ2□471C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	470ohm ±30%	±500
PVZ2□102C04	0.05(50°C)	Reflow/Soldering Iron	1(240°±10°)	1k ohm ±30%	±500
PVZ2□222C04	0.05(50°C)	Reflow/Soldering 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
PVZ2□223C04	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
PVZ2□224C04	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.

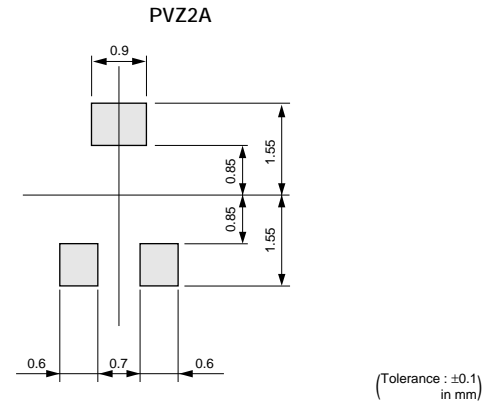
Operating Temperature Range: -25 to 85 °C

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

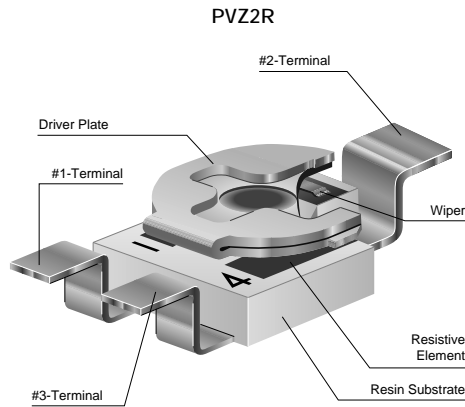
■ Construction



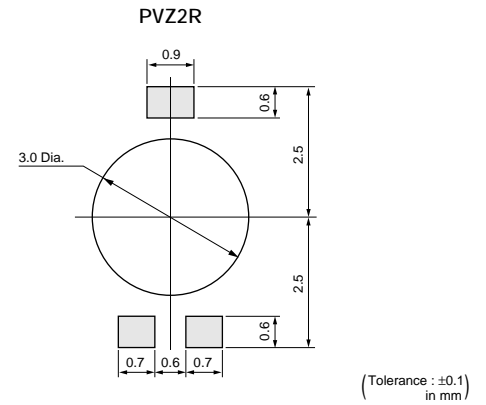
■ Standard Land Pattern



■ Construction



■ Standard Land Pattern



■ Characteristics

Humidity Exposure	Res. Change: +10, -2%
High Temperature Exposure	Res. Change: $R \leq 50\text{kohm} \dots +2, -10\%$ $50\text{kohm} < R \dots +2, -15\%$
Humidity Load Life	Res. Change: $\pm 10\%$
Load Life	Res. Change: $R \leq 50\text{kohm} \dots +2, -10\%$ $50\text{kohm} < R \dots +2, -15\%$
Temperature Cycle	Res. Change: $\pm 5\%$
Rotational Life	Res. Change: $\pm 10\%$ (10 cycles)