Trimmer Potentiometers

muRata

SMD Open Type 3mm Size PVZ3/PVS3/PVA3 Series

PVZ3 Series

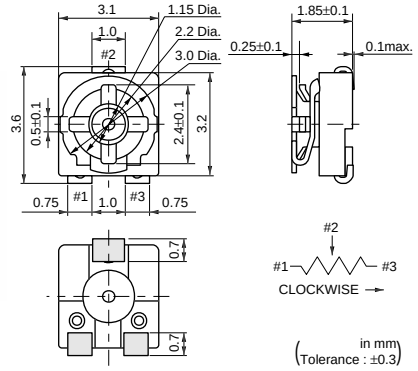
■ Features

1. Excellent solderability characteristics are achieved via special plating techniques on each termination.
2. Specially designed substrate prevents wicking of flux onto the top of the part body.
3. Enlarged bottom termination enhance soldering strength while reducing the necessary land area required promoting high-density PCB mounting.
4. Funnel shaped adjustment slot allows for in-process automatic adjustment.
5. Flat surface is provided for smooth pick and place. (PVZ3K only)
6. Heat-Resistant type is available. (PVZ3AxxxB01)
7. The standard position of driver plate is adjusted at the center normally, but another position is also available.
8. This product meets Pb-free.

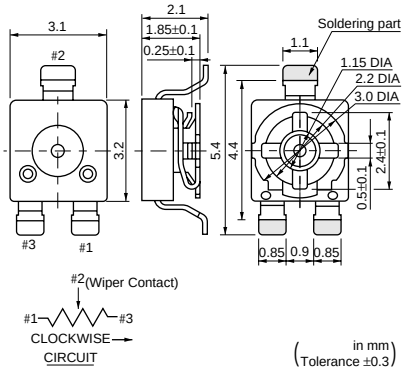
■ Applications

1. Optical pick up
2. Cordless telephones
3. CD players
4. FDD
5. Motor
6. CD-ROMs
7. Car stereos
8. TFT-LCD TV sets
9. Headphone stereos

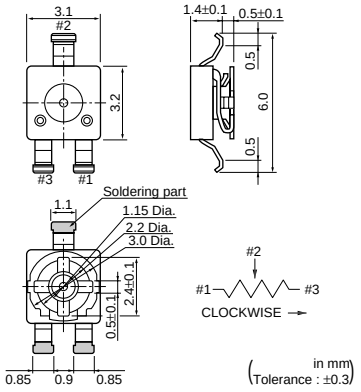
PVZ3A



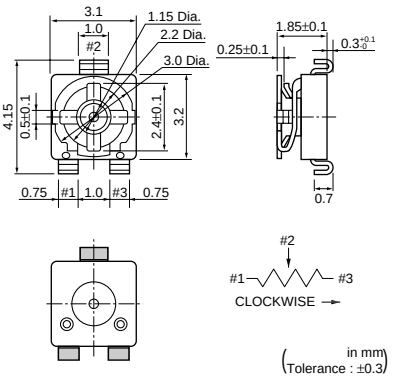
PVZ3K



PVZ3R



PVZ3T

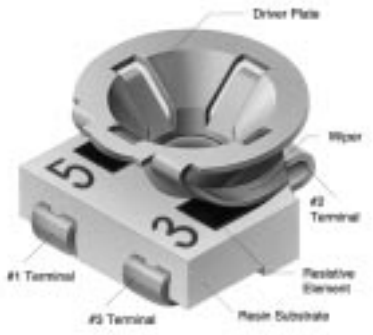


Part Number	Power Rating (W)	Soldering Method	Number of Turns (Effective Rotation Angle)	Total Resistance Value	TCR (ppm/°C)
PVZ3□201A01	0.1(50°C)	Reflow	1(230°±10°)	200ohm ±30%	±500
PVZ3□301A01	0.1(50°C)	Reflow	1(230°±10°)	300ohm ±30%	±500
PVZ3□501A01	0.1(50°C)	Reflow	1(230°±10°)	500ohm ±30%	±500
PVZ3□102A01	0.1(50°C)	Reflow	1(230°±10°)	1k ohm ±30%	±500
PVZ3□202A01	0.1(50°C)	Reflow	1(230°±10°)	2k ohm ±30%	±500
PVZ3□302A01	0.1(50°C)	Reflow	1(230°±10°)	3k ohm ±30%	±500
PVZ3□502A01	0.1(50°C)	Reflow	1(230°±10°)	5k ohm ±30%	±500
PVZ3□103A01	0.1(50°C)	Reflow	1(230°±10°)	10k ohm ±30%	±500
PVZ3□203A01	0.1(50°C)	Reflow	1(230°±10°)	20k ohm ±30%	±500
PVZ3□303A01	0.1(50°C)	Reflow	1(230°±10°)	30k ohm ±30%	±500
PVZ3□503A01	0.1(50°C)	Reflow	1(230°±10°)	50k ohm ±30%	±500
PVZ3□104A01	0.1(50°C)	Reflow	1(230°±10°)	100k ohm ±30%	±500
PVZ3□204A01	0.1(50°C)	Reflow	1(230°±10°)	200k ohm ±30%	±500
PVZ3□304A01	0.1(50°C)	Reflow	1(230°±10°)	300k ohm ±30%	±500
PVZ3□504A01	0.1(50°C)	Reflow	1(230°±10°)	500k ohm ±30%	±500
PVZ3□105A01	0.1(50°C)	Reflow	1(230°±10°)	1M ohm ±30%	±500
PVZ3□205A01	0.1(50°C)	Reflow	1(230°±10°)	2M ohm ±30%	±500
PVZ3□201C01	0.1(50°C)	Reflow	1(230°±10°)	200ohm ±30%	±500
PVZ3□301C01	0.1(50°C)	Reflow	1(230°±10°)	300ohm ±30%	±500
PVZ3□501C01	0.1(50°C)	Reflow	1(230°±10°)	500ohm ±30%	±500
PVZ3□102C01	0.1(50°C)	Reflow	1(230°±10°)	1k ohm ±30%	±500
PVZ3□202C01	0.1(50°C)	Reflow	1(230°±10°)	2k ohm ±30%	±500
PVZ3□302C01	0.1(50°C)	Reflow	1(230°±10°)	3k ohm ±30%	±500
PVZ3□502C01	0.1(50°C)	Reflow	1(230°±10°)	5k ohm ±30%	±500
PVZ3□103C01	0.1(50°C)	Reflow	1(230°±10°)	10k ohm ±30%	±500
PVZ3□203C01	0.1(50°C)	Reflow	1(230°±10°)	20k ohm ±30%	±500
PVZ3□303C01	0.1(50°C)	Reflow	1(230°±10°)	30k ohm ±30%	±500
PVZ3□503C01	0.1(50°C)	Reflow	1(230°±10°)	50k ohm ±30%	±500
PVZ3□104C01	0.1(50°C)	Reflow	1(230°±10°)	100k ohm ±30%	±500
PVZ3□204C01	0.1(50°C)	Reflow	1(230°±10°)	200k ohm ±30%	±500
PVZ3□304C01	0.1(50°C)	Reflow	1(230°±10°)	300k ohm ±30%	±500
PVZ3□504C01	0.1(50°C)	Reflow	1(230°±10°)	500k ohm ±30%	±500
PVZ3□105C01	0.1(50°C)	Reflow	1(230°±10°)	1M ohm ±30%	±500
PVZ3□205C01	0.1(50°C)	Reflow	1(230°±10°)	2M ohm ±30%	±500

The blank column is filled with the code of adjustment direction A/T (top) or K/R (rear).
The last three digits express the individual specification codes. A01 for standard type and B01 for high-resistant type.

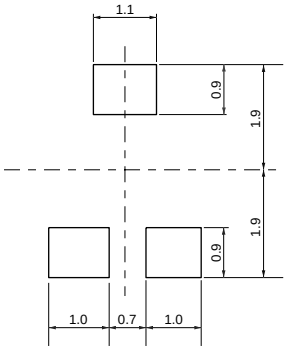
■ Construction

PVZ3A



■ Standard Land Pattern

PVZ3A



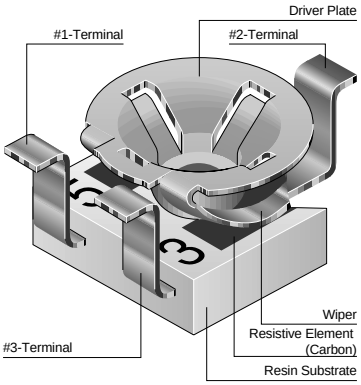
in mm
(Tolerance : ±0.1)

Continued on the following page.

Continued from the preceding page.

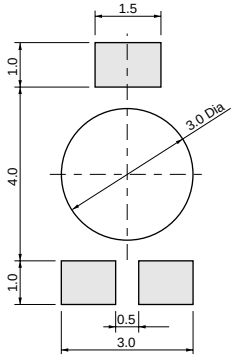
■ Construction

PVZ3K



■ Standard Land Pattern

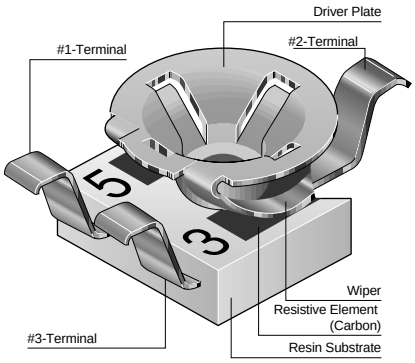
PVZ3K



in mm
Tolerance : ±0.1

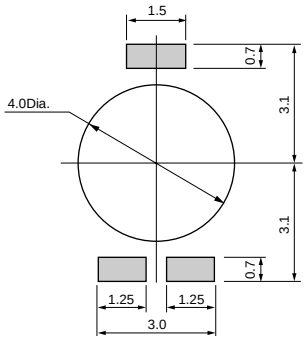
■ Construction

PVZ3R



■ Standard Land Pattern

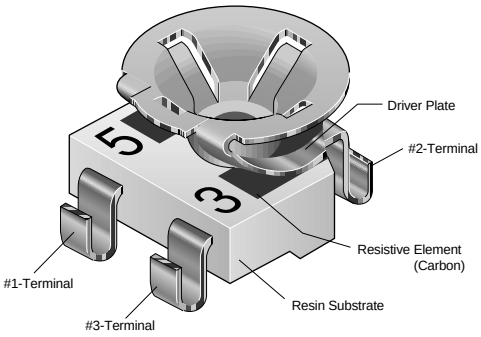
PVZ3R



(in mm)

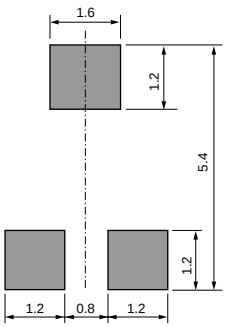
■ Construction

PVZ3T



■ Standard Land Pattern

PVZ3T



in mm
Tolerance : ±0.3

■ Characteristics

Humidity Exposure	Res. Change : +10, -2%
High Temperature Exposure	Res. Change : R≦100kohm…+2, -10% 100kohm<R…+2, -15%
Humidity Load Life	Res. Change : ±10%
Load Life	Res. Change : R≦100kohm…+2, -10% 100kohm<R…+2, -15%
Temperature Cycle	Res. Change : ±5%
Temperature Coefficient of Resistance	±500ppm/˚C
Rotational Life	Res. Change : ±10% (10 cycles)