BOURNS 3266P-1-504LF alternative

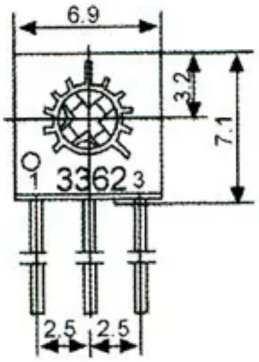
TRIMMER 500K OHM 0.25W PC PIN

500 kOhms 0.25W, 1/4W PC Pins Through Hole
Trimmer Potentiometer Cermet 12.0 Turn Side Adjustment

specification

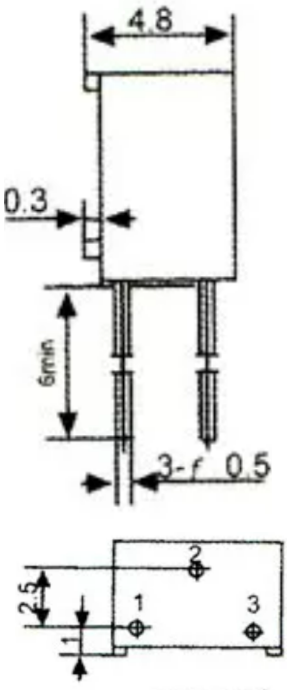
customers		
products	specifications	code
Type 3362 Cermet Trimmer potentiometer	3362P	
Customers confirmation		

- **Features:**



- Precision Single-turn Trimmer Potentiometer
- Multiturn / Cermet / Industrial/Sealed
- StandoffsallowthoroughPCboard washing
- Tapeandreelpackagingavailable
- RoHS compliant version available as per RoHS Directive2015/863,Mar.31,2015andAnnex

- Applicable in many other styles including:
- Potentiometer with ultra-high performance and high reliability
- It can be adjusted automatically (install the automatic adjustment transmitter)
- Sealed structure, can be cleaned with a variety of cleaning agents
- Wide shaft design makes it easier to adjust



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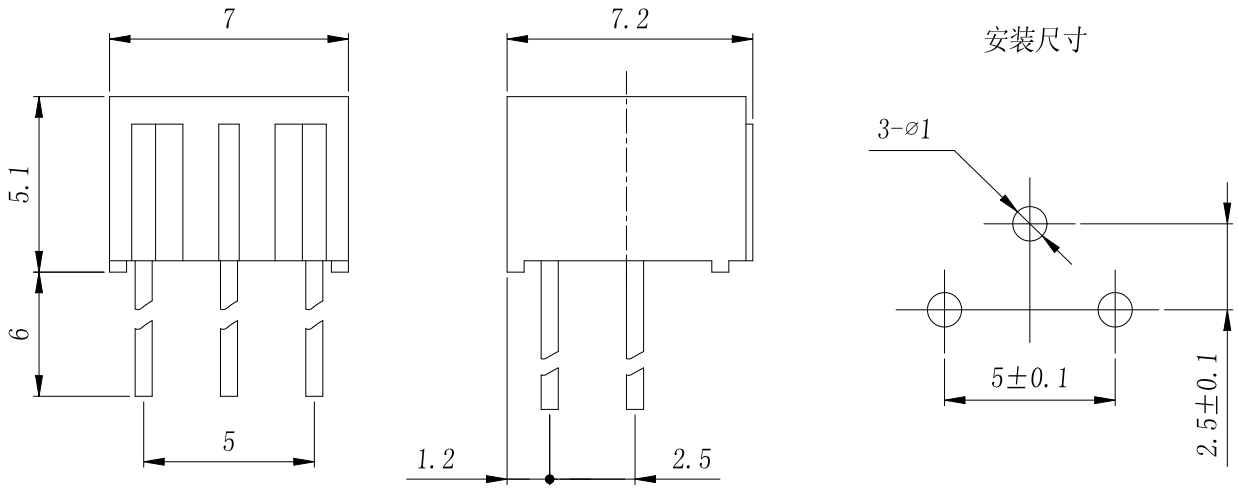
• the glass glaze resistance body, rated power is great.
• the fully closed structure, fine
Comprehensive performance.
• small size, high density is easy to install.
• good heat resistance, resistance to wet characteristics.
• all kinds of instrument and meters recommend installation method: insert lead in printed circuit board potentiometer, will reach its, tin welding firmly.
recommend adjustment methods: with a cross screwdriver slot on the adjustment.

1. 0 Appearance and installation size



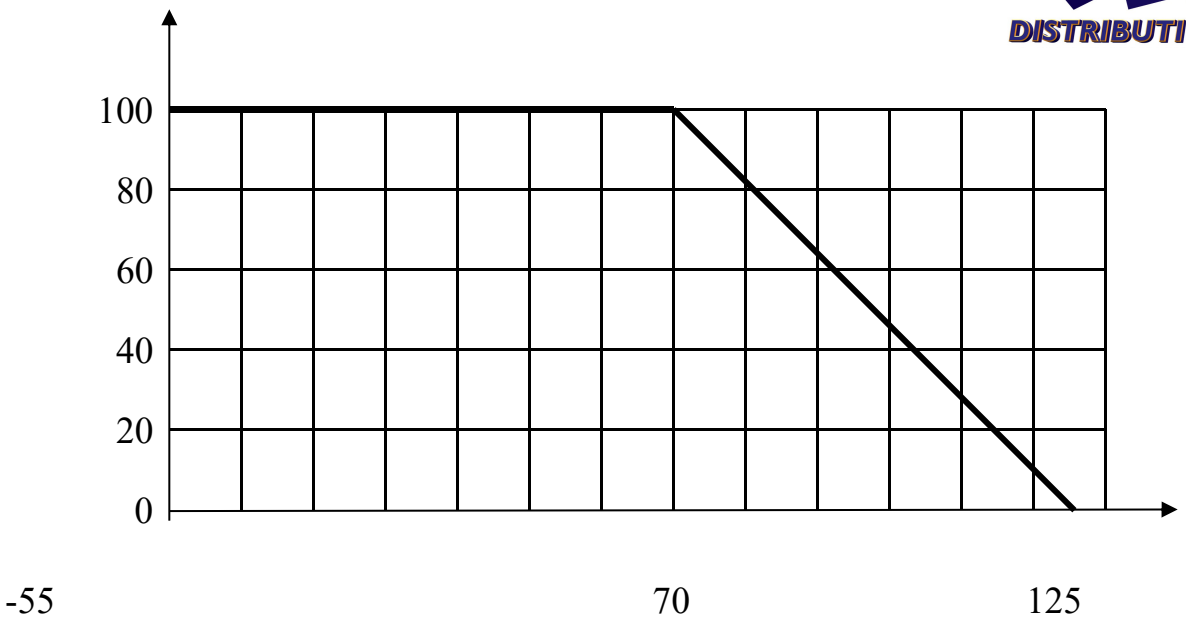
2. 0 Electrical performance

2. 1 nominal resistance range …… 10 Ω ~ 5 M Ω
2. 2 resistance deviation …… ± 10%
2. 3 resistance rule …… A(linear)
2. 4 rated power (70 ℃)…… 0.25 W (nominal resistance > 50 K Ω)
0.5 W (nominal resistance ≤50 K Ω)
2. 5 contact resistance changes…… **≤3%R or 5Ω(for its highly actie)**
2. 6 resistance temperature coefficient …….. **≤±200×10⁻⁶/℃(-55℃～+125℃)**
2. 7 zero resistance …… **≤10Ω（100Ω≤R≤1K）**
≤1%R（R>1K）
2. 8 stability level…….. 10%
2. 9 environment temperature range…… -55 ℃~ + 125 ℃
2. 10 temperature change **△R≤±2 % R** **$\triangle U_{12}/\triangle U_{13} \leq \pm 1$ %**

3. 0 mechanical properties

3. 1 Total mechanical March 260 ° ± 10 °
3. 2 start torque ≤ 35 mN. M
3. 3 solder ability Tin pot 235 ℃ ± 5 ℃, 2 S + /-0.5 S, leads the baptism
Into the tin pot take adhered tin area > 90%

4. 0 Drop power curve



5． 0 Environment test

5． 1 **Resistance changes with temperature** **Drying: at a temperature of 55 ℃ ± 2 ℃, relative humidity of not more than ± 20% of the oven in place (24 ± 4) hours, the potentiometer should be removed from the tank in place with appropriate desiccant dryer to cool, and maintain the required test to start。**

-55℃～+20℃ △R/R ≤±1.5%
+20℃～+70℃ △R/R ≤±1%
+20℃～+125℃ △R/R ≤±2.1%

5. 2 **Climate order**

5.2.1 Dry **Temperature is 70 ℃, for 16 hours, its appearance should be no visible damage, clear signs;**

5.2.2 Heat cycle test Db **Gradually from room temperature to 55 ℃, a period of time, And then cooled to room temperature, a total for 24 hours;**

5.2.3Cold **Temperature of -55 ℃, for 2 hours, the starting torque ≤ 20mN.m;**

5.2.4 Depression

Pressure 8.5Kpa, test temperature of 15 ℃ ~ 35 Between, for 1 hour, the end of the testing process and test Should be no breakdown or flashover;

5.2.5 DC charge

Article according to 4.38.7 (the following terms general specification GB/T15298-94);
Last check: clear signs of its appearance, no visible damage,
△ R ≤ ± (3% R +0.5 Ω),
Insulation resistance ≥ 100MΩ,
Starting torque ≤ 20mN.m.

5. 3 Terminal Strength

When the terminals in its normal position, and with the fixed component of the body, along its axial force of 5N applied to terminals on the left component in the direction of the body work, the tension should be (without any bump) gradually applied, and then maintained (10 ± 1) seconds. △ R ≤ ± (5% R +0.1 Ω), no visible damage.

5. 4 **Resistance to soldering heat**

Drying: temperature of 55 ℃ ± 2 ℃, relative humidity less than 20%, continuing to place (24 ± 4) hours; Method 1A: at a temperature of 350 ℃ ± 10 ℃ tin pot, to keep (5 ± 1) S, the △ R ≤ ± (3% R +0.1 Ω).

5. 5 Vibration

Frequency of 10Hz ~ 500Hz, amplitude 0.75mm, in all three directions XYZ for 2 hours, its appearance without visible damage, △ R ≤ ± (1% R +0.1 Ω), while there should be no electrical discontinuity greater than 100us.

5. 6 Collision

Acceleration: 390m/S2, 4000 collision,
△R ≤±(1%R+0.1Ω)。

5. 7 **Electrical durability of 70 ℃**

Temperature of 70 ℃ ± 3 ℃, rated voltage at the end 1.3, 1.5 hours and 0.5 hours off power for a period, continuous 1000 hours, 48 hours, 500 hours, 1000 hour inspection, clear signs of its

appearance, no visible damage. in the 1.3 side △ R ≤ ± (3% R +0.5 Ω);

Temperature of 70 ℃ ± 3 ℃, rated voltage of 1.2 or terminal), two of which end in the power stroke at 95%, 1.5 hours and 0.5 hours off power for a period, continuous 1000 hours, 48 hours, 500 hours, 1000 hours when the checks clear signs of its appearance, 1.2 side △ R ≤ ± (3% R +0.5 Ω),

All samples at 1000 hour inspection, insulation resistance ≥ 1GΩ, CRV ≤ 5Ω.

5. 8 Mechanical durability

Speed of 5 to 10 cycles / min, rotating 200 weeks after its appearance without visible damage, △ R ≤ ± 3% R, CRV ≤ 5Ω, starting torque ≤ 35mN.m.

5. 9 Damp

According to Article 4.39.2.1, the first group 2 samples, the second group of three samples, and the third group of three samples;

According to Article 4.39.2.2, the first group of four samples, the second group of four samples;

The last measurement: its appearance without visible damage, clearly marked and the resistors resistance △ R ≤ ± 3% R, insulation resistance ≥ 100MΩ.