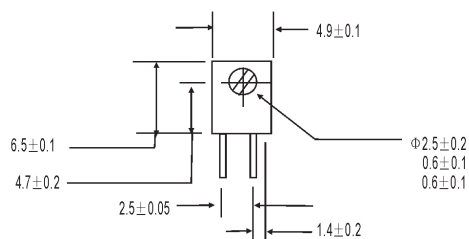
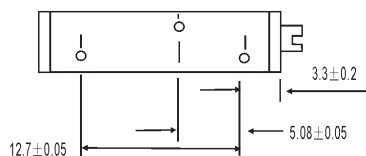
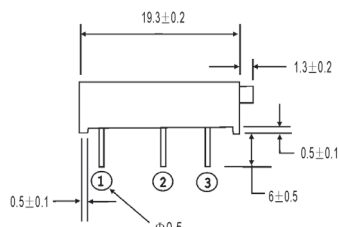
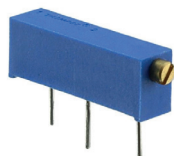


## 3006p



Symbol	Opis / Description
PO 3006p0010	10Ω
PO 3006p0020	20Ω
PO 3006p0050	50Ω
PO 3006p0100	100Ω
PO 3006p0200	200Ω
PO 3006p0500	500Ω
PO 3006pk001	1kΩ
PO 3006pk002	2kΩ
PO 3006pk005	5kΩ
PO 3006pk010	10kΩ
PO 3006pk020	20kΩ
PO 3006pk050	50kΩ
PO 3006pk100	100kΩ
PO 3006pk200	200kΩ
PO 3006pk500	500kΩ
PO 3006pm001	1MΩ

Odpowiedniki / Equivalents	Vishay	BI-Technology
3006P	M43P	89P
	T18	

## 1 PRODUCT STANDARD

Detailed specification for 3006 glass glaze preset potentiometer

## 2 RATINGS AND CHARACTERISTICS

### 2.1 Product appearance and installation method

Installation method: Insert the lead end of the potentiometer into the hole of the printed board, stick it tightly, and fix it with soldering. Product appearance: see appendix A.

2.2 Rated power consumption: 0.75w

### 2.3 Nominal resistance range and resistance series

Nominal resistance range: 10Ω~2MΩ

Resistance series: E3 series in IEC63 are preferred, and one significant digit is taken, namely 1, 2, 5.

### 2.4 Resistance tolerance: ±10%

### 2.5 Temperature coefficient of resistance

$TCR \leq \pm 250 \times 10^{-6} / ^\circ C$

(User needs, can provide  $TCR \leq \pm 250 \times 10^{-6} / ^\circ C$ )

### 2.6 Limit voltage of resistor body: 315V (DC or AC effective value).

### 2.7 Withstand voltage (AC peak voltage with a frequency of 40~60Hz)

Under normal atmospheric pressure: 640V

Under low pressure 8.5KPa (85mbar): 450V

### 2.8 Climate category: 55/100/04

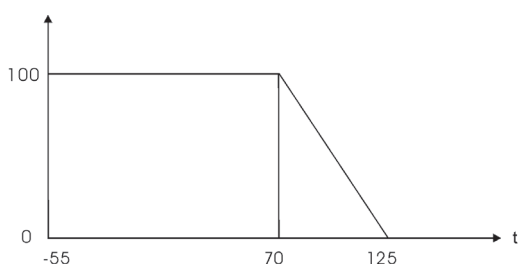
### 2.9 Total mechanical stroke: 22±2 laps

### 2.10 Stability level: 10%

### 2.11 Starting torque: ≤35mN·m

### 2.12 Cycles of load and wear resistance: 200 weeks

### 2.13 Power reduction curve



## 3 SIGNS

3.1 The potentiometer should be marked: product trademark, product model, resistance code

3.2 The potentiometer packaging label should indicate: product trademark, product model, resistance code, quantity, production year, month, detailed specification code, operator code, and ordering unit

## 4 See Table 1 for test items (parts), test conditions and performance requirements

## Appendix B

### Precautions for use

Since the rated power of the potentiometer refers to when the entire resistor body is connected to the circuit, the specified rated power is only applicable. If only part of the resistor body is connected to the circuit, the allowable power should be reduced in the same proportion as the resistance value.

R use resistance

P allowable power = R use resistance/ R nominal resistance

P rated power

R nominal resistance

Therefore, in order to make full use of the rated power of the potentiometer, it is recommended that when the potentiometer is used as a variable resistor, the resistance value used should be within 50% to 90% of the nominal resistance value of the potentiometer.

Eliminate anodic oxidation and prevent resistance changes

The potentiometer is used as a variable resistor (as a two-terminal element).

When working in DC, the anodic oxidation phenomenon between the resistor body and the moving contact may cause the resistance to change and drift. To effectively prevent this, please press The figure connects the moving contact of the potentiometer to the positive pole of the circuit.