

# Single Turn Trimmer

## Model 25



### Features:

- 1/4" square
- Sealed single turn
- Cermet
- Through-hole

## Electrical

|                               |  |
|-------------------------------|--|
| Standard Resistance Range     | 10 Ohms to 2 Megohms                           |
| Standard Resistance Tolerance | ±10%   |
| Input Voltage                 | 300 Vdc Max. or rms not to exceed power rating |
| Power Rating                  | 0.5 Watts at 70°C derating to 0 at 125°C       |
| End Resistance                | 1% or 2 Ohms Max., whichever is greater        |
| Actual Electrical Travel      | 210° nominal                                   |
| Dielectric Strength           | 900 Vrms                                       |
| Insulation Resistance         | 1,000 Megohms Min.                             |
| Resolution                    | Essentially infinite                           |
| Contact Resistance Variation  | 1% or 3 Ohms Max., whichever is greater        |

## Environmental

|                             |  |
|-----------------------------|--|
| Seal                        | 85°C Fluorinert® (No Leaks)                          |
| Temperature Coefficient     | ±100 ppm/°C  |
| Operating Temperature Range | -55°C to +125°C                                      |
| Thermal Shock               | Five cycles -55°C to +125°C (2% ΔRT, 2% ΔVR)         |
| Moisture Resistance         | Ten 24 hour cycles (3% ΔRT)                          |
| Shock                       | 6 ms sawtooth, 100 G's (1% ΔRT, 1% ΔVR)              |
| Vibration                   | 30 G's, 10 to 2,000 Hz (1% ΔRT, 1% ΔVR)              |
| High Temperature Exposure   | 250 hours at 125°C (2% ΔRT, 2% ΔVR)                  |
| Rotational Life             | 200 cycles (2 Ohms or 3% ΔRT, whichever is greater)  |
| Load Life                   | 1,000 hours at 70°C & 0.5 Watts (3% ΔRT, 3% ΔVR)     |
| Resistance to Solder Heat   | 350°C for 3 seconds or 260°C for 10 seconds (1% ΔRT) |

## Mechanical

|                  |                              |
|------------------|------------------------------|
| Mechanical Stops | Solid                        |
| Stop Strength    | 7 oz.-in. Min. (500 g-cm)    |
| Torque           | 3 oz.-in. Max. (200 g-cm)    |
| Weight           | 0.02 oz. nominal (0.6 grams) |

General Note  
TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

TT Electronics | BI Technologies  
413 Rood RD, Suite 7  
Calexico, CA 92231  
Ph: +1 (714) 447-2345  
www.ttelectronics.com/bi-technologies

### Ordering Information



### Packaging Information

Standard (no code): Tubes. 50 units each. All units oriented with #1 pin to same side.

Option (TR code, only for U or V pin style): Tape & Reel. All units oriented with #3 pin toward direction of feed.

|      | Pin Style              | V            | U            |
|------|------------------------|--------------|--------------|
| Tape | Width =                | 18 mm        | 18 mm        |
|      | Single hole sprocket = | 0.50" pitch  | 0.50" pitch  |
|      | Capacity =             | 1,000 units  | 750 units    |
| Reel | Diameter =             | 14" (363 mm) | 14" (363 mm) |

Option (AP code, only for U or V pin style): Ammo pack. Tape fold 12". Box 2.0" x 13.4" x 13.8" (50 mm x 340 mm x 350 mm)

### Standard Resistance Values, Ohms

|    |     |    |     |      |      |
|----|-----|----|-----|------|------|
| 10 | 100 | 1K | 10K | 100K | 1Meg |
| 20 | 200 | 2K | 20K | 200K | 2Meg |
| 50 | 500 | 5K | 50K | 500K |      |

### Circuit Diagram



#### General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

© TT electronics plc

### Outline Drawings—Top Adjustment

**MODEL 25P**



**Note: Model 25P dimensions applicable to all models except as noted**

**MODEL 25U**



**MODEL 25W**



**General Note**

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

### Outline Drawings—Side Adjustment



**General Note**

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9