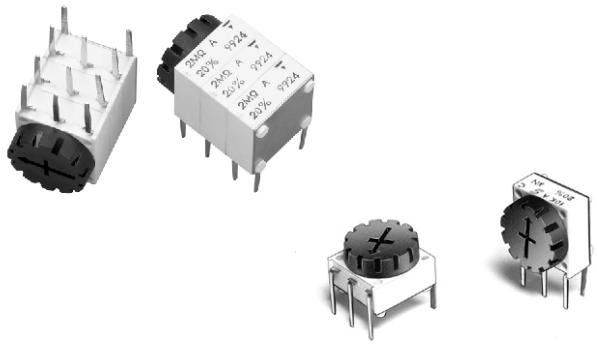
## Square Modular Cermet Trimmers



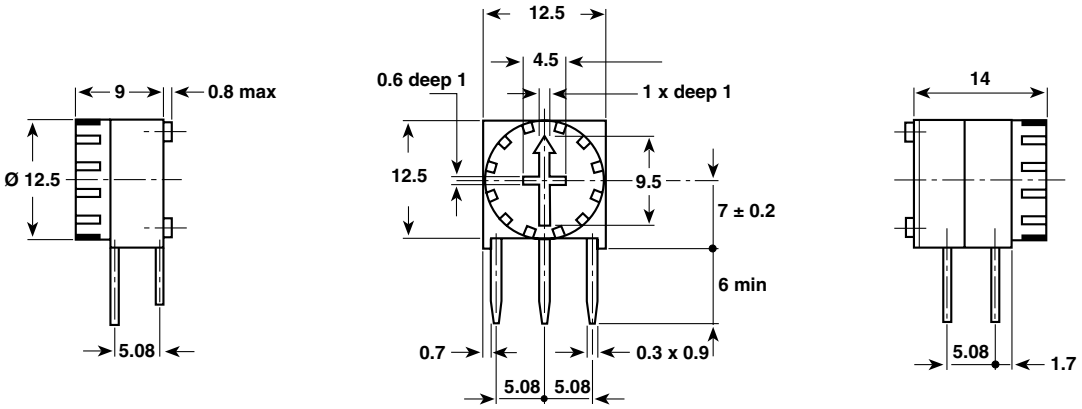
### FEATURES

- 0.5 W at 70 °C
- Industrial grade
- Up to 5 modules
- Switches and detents available
- Available in conductive plastic
- High rotational life up to 2000 cycles
- X and Y styles

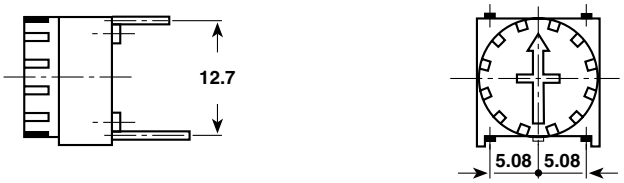
RoHS COMPLIANT

**DIMENSIONS** in millimeters

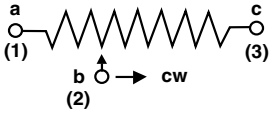
**T11X**




**T11Y**




### CIRCUIT DIAGRAM




Tolerances unless otherwise specified ± 0.5 mm

| ELECTRICAL SPECIFICATIONS | | |
|---|---|---|
| **Resistive Element** | | cermet |
| **Electrical Travel** | | 270° ± 10° |
| **Resistance Range** | | 22 Ω to 4.7 MΩ |
| **Standard series E3** | | 1 - 2.2 - 4.7 and on request 1 - 2 - 5 |
| **Tolerance** | **Standard** | ± 20 % |
| | **On Request** | ± 5 % or ± 10 % |
| **Power Rating** | **Linear** | at 70 °C: 0.5 W |
| **Logarithmic Laws, L, F, or S and ganged elements** | | at 70 °C: 0.25 W |
| **Temperature Coefficient (for $R_n \geq 100$ Ω)** | | ± 100 ppm/°C |
| **Limiting Element Voltage** | | 350 V |
| **Contact Resistance Variation** | | 2 % Rn or 3 Ω (linear law) |
| **End Resistance (Typical)** | | 2 Ω |
| **Independant Linearity (Typical)** | | ± 3 % (linear law) |
| **Middle Keying Point (C V1M Typical)** | | ± 3 % |
| **Insulation Resistance** | | $10^6$ MΩ (500 VDC) |
| **Dielectric Strength (RMS)** | | 1500 $V_{RMS}$ |

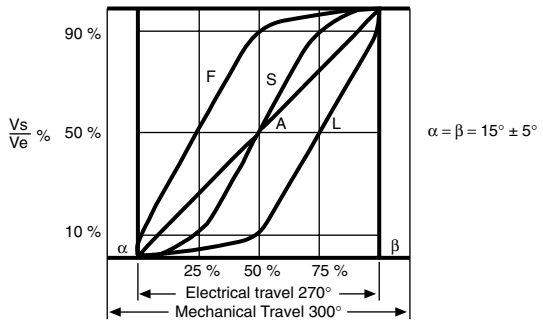
## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| **Mechanical Travel** | 300° ± 5° |
| **End Stop Torque (max. Ncm)** | 35 |
| **Mechanical Life** | 2000 cycles |

## ENVIRONMENTAL SPECIFICATIONS

| | |
|---|---|
| **Temperature Range** | - 55 °C to + 125 °C |
| **Climatic Category** | 55/125/56 |
| **Sealing** | enables cleaning IP64 |

## POWER RATING CHART




Further information see P11/PA11 Document number 51031

## PACKAGING

- Carton box of 45 pieces, code BO45 for Y style (SAP code B24) and carton box of 80 pieces, code BO80 for X style (SAP code B28)

## ORDERING INFORMATION

| **T11** | **X** | **470 kΩ** | **± 20 %** | **A** | **BO80** | **e3** |
|---|---|---|---|---|---|---|
| SERIES | STYLE | OHMIC VALUE | TOLERANCE | LAW | PACKAGING | LEAD FINISH |
| | Y | | | | Y Style: BO45 | |
| | X | | | | X Style: BO80 | e3: pure Sn |

## SAP PART NUMBERING GUIDELINES

| T | 1 | 1 | X | 4 | 7 | 4 | M | A | B | 2 | 8 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODEL | | | STYLE | OHMIC VALUE | | | TOL | LAW | PACKAGING CODE | | | SPECIAL (IF APPLICABLE) | | |

See the end of this data book for conversion tables

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