

Type 3270 Series



This is the surface mount version of the popular Tyco 4270. Top adjust and low profile side adjust versions are available in special high temperature resistant packages. This multi-turn device offers good setability, infinite resolution and the other specification features typical of conventional trimmers yet now suitable for s.m. applications.

Key Features

- **Stable, Infinite Resolution Element**
- **High Temperature Construction**
- **0.25 Watt Power Rating at 85°C**
- **Low Temperature Coefficient: ± 100ppm/°C**
- **Vertical and Low Profile Adjust Style**
- **Sealed to Withstand Dip and Wave Solder**
- **Packaged in Plastic Tubes**

Characteristics - Electrical

| | |
|--------------------------------------|---|
| Resistance Range: | 10R to 1M |
| Resistance Tolerance: | ± 10% standard (closer tolerance available) |
| Absolute Minimum Resistance: | 1% or 2 ohms maximum |
| Contact Resistance Variation: | 3.0% or 3 ohms (whichever is greater) |
| Adjustability: | Voltage ± 0.02% : Resistance ± 0.05% |
| Resolution: | Infinite |
| Insulation Resistance: | 500 VDC, 1000M minimum |
| Dielectric Strength: | Sea level 600 VAC 80,000 feet 250 VAC |
| Electrical Travel: | 12 turns nominal |

Characteristics - Mechanical

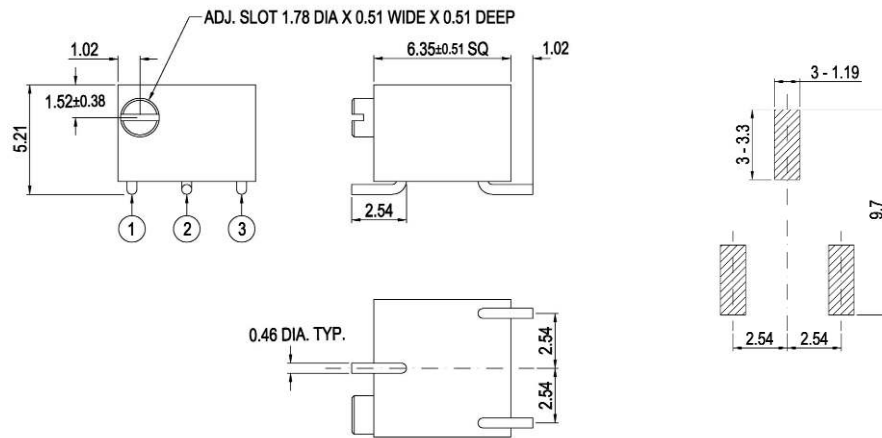
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|---------------------------|------------------|
| Torque: | 21 mNm maximum |
| Mechanical Stops: | Wiper idles |
| Terminals: | Solderable pins |
| Weight: | 0.4 gram maximum |
| Mechanical Travel: | 16 turns nominal |

Characteristics - Environmental

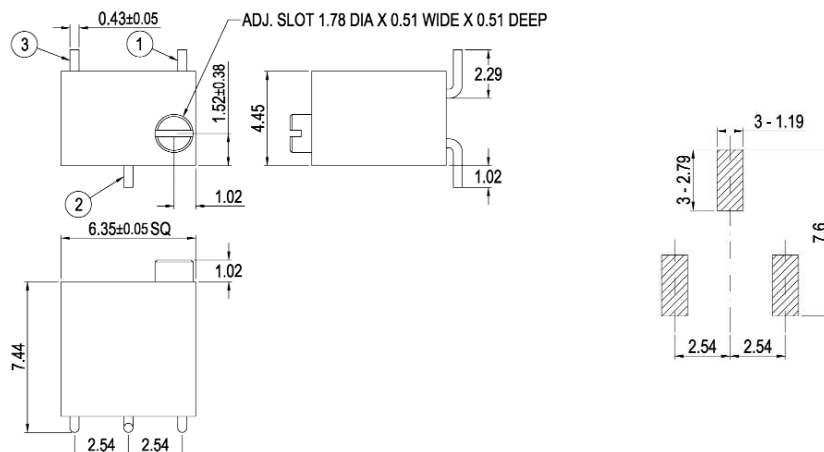
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|---|--|
| Maximum Exposure Temperature/Time: | +245°C 10 seconds |
| Power Rating (300 Volts maximum): | 0.25 Watt at 85°C derating to zero at 150°C |
| Temperature Range: | -65°C to 150°C |
| Temperature Coefficient of Resistance: | ± 100ppm/°C maximum |
| Seal Test: | 85°C fluorinert |
| Humidity: | MIL STD 202 method 106 (2% ΔTR, IR 100 MW minimum) |
| Vibration: | 30G (1% ΔTR % ΔVR) |
| Shock: | 100G (1% ΔTR % ΔVR) |
| Load Life: | ΔR 3% (1000 hours, 0.25 Watts at 85°C) |
| Mechanical Life: | 200 cycles |

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**Dimensions -
3270P**



3270W



The 3270W is supplied in tubes of 50 pieces

How to Order

| 3270 | P | 104 | K |
|------------------------------|---|--|------------------|
| Common Part | Orientation | Resistance Value | Tolerance |
| 3270 - 6mm Multiturn Trimmer | P - Low Profile Side Adjust W - Top Adjust | The first two digits are significant figures of resistance value and the third denotes the number of zeros following. e.g. 1K: 102 10K: 103 100K: 104 | K - 10 % |