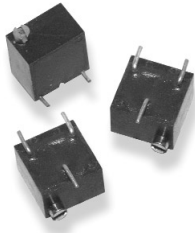


**Type 3270 Series**



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**

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

**Characteristics - Mechanical**

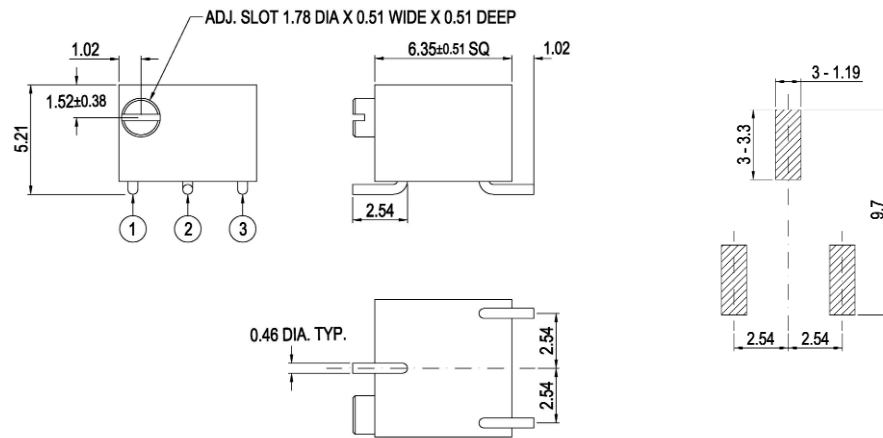
<b>Torque:</b>	21 mNm maximum
<b>Mechanical Stops:</b>	Wiper idles
<b>Terminals:</b>	Solderable pins
<b>Weight:</b>	0.4 gram maximum
<b>Mechanical Travel:</b>	16 turns nominal

**Characteristics - Environmental**

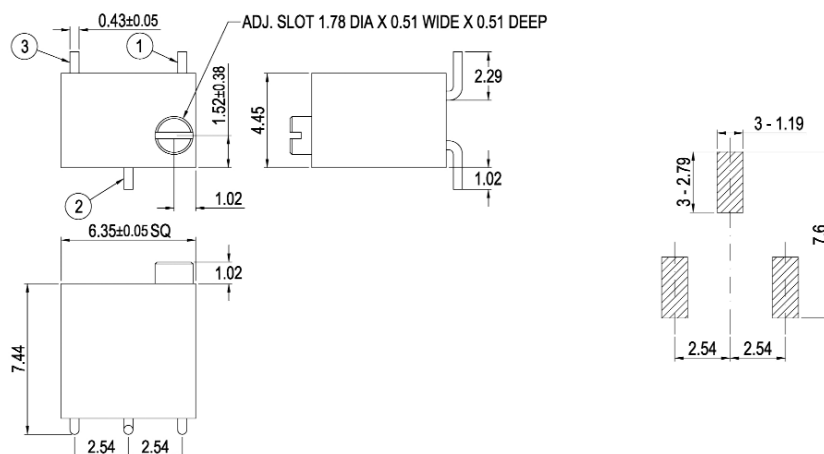
<b>Maximum Exposure Temperature/Time:</b>	+245°C 10 seconds
<b>Power Rating (300 Volts maximum):</b>	0.25 Watt at 85°C derating to zero at 150°C
<b>Temperature Range:</b>	-65°C to 150°C
<b>Temperature Coefficient of Resistance:</b>	± 100ppm/°C maximum
<b>Seal Test:</b>	85°C fluorinert
<b>Humidity:</b>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

**Type 3270 Series**

**Dimensions -  
3270P**



**3270W**



The 3270W is supplied in tubes of 50 pieces

**How to Order**

3270	P	104	K
<b>Common Part</b>	<b>Orientation</b>	<b>Resistance Value</b>	<b>Tolerance</b>
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 %