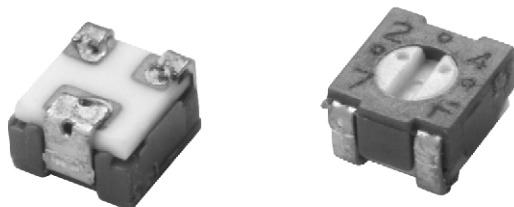


## Surface Mount Miniature Trimmers 3 mm Single-Turn Cermet Sealed



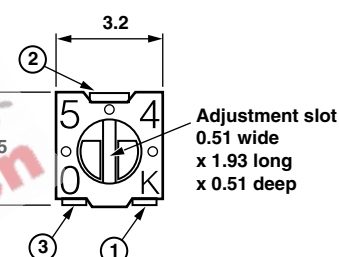
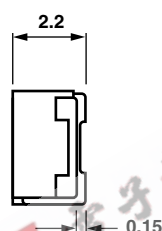
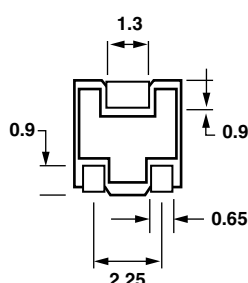
### FEATURES

- 0.125 Watt at 70 °C
- Small Size for Optimum Packing Density
- Suitable for both manual and automatic operation

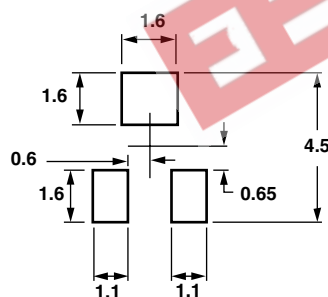


### DIMENSIONS in millimeters

TS3 YJ

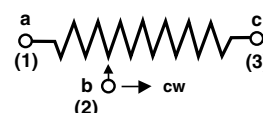


### RECOMMENDED SOLDERING AREAS



General tolerance  $\pm 0.25$

### CIRCUIT DIAGRAM



### SOLDERING RECOMMENDATIONS

see Application notes

### ELECTRICAL SPECIFICATIONS

Resistive Element	Cermet
Electrical Travel	220°
Resistance Range	10 $\Omega$ to 2 M $\Omega$
Stocked Range	1 k $\Omega$ to 100 k $\Omega$
Standard Series	1 - 2 - 5
Tolerance Standard	$\pm 20$ %
Power Rating	0.125 W at 70 °C
Temp. Coefficient (Max.)	$\pm 150$ ppm/°C
Limiting Element Voltage (Max.)	200 V
Contact Resistance Variation	3 % or 3 $\Omega$
End Resistance	1 % or 3 $\Omega$
Dielectric Strength (Rms)	500 V
Insulation Resistance	100 M $\Omega$

# TS3Y

Vishay Sfernice

Surface Mount Miniature Trimmers 3 mm  
Single-Turn Cermet Sealed



## MECHANICAL SPECIFICATIONS

Mechanical Travel	250°
Operating Torque (max. Ncm)	0.5
End Stop Torque (min. Ncm)	2
Unit Weight (max. g)	0.1
Mechanical Life (Cycles)	50

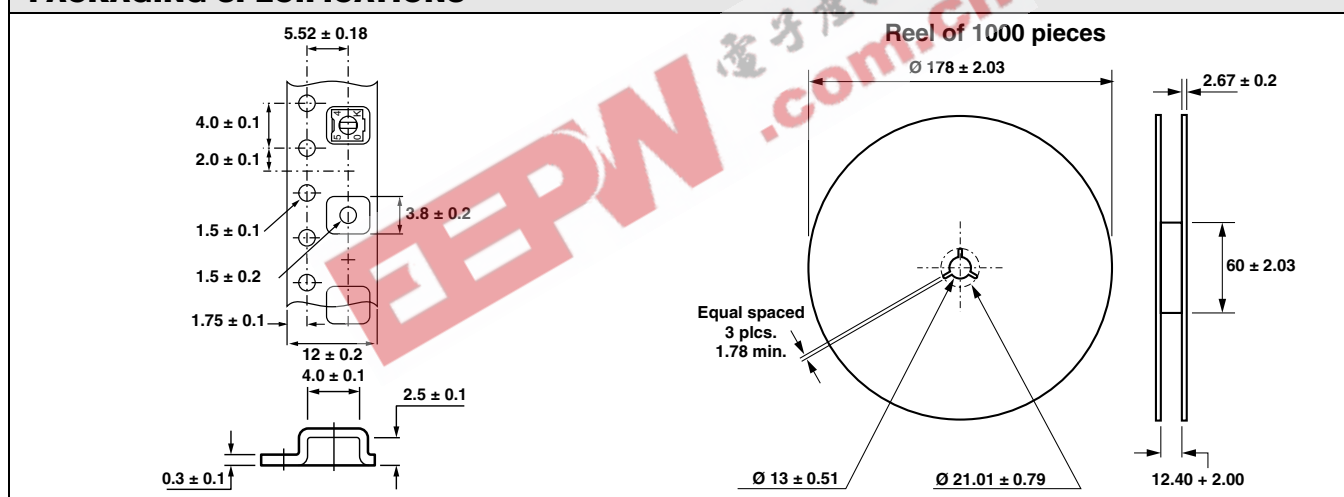
## ENVIRONMENTAL SPECIFICATIONS

Temperature Range	- 55 °C + 125 °C
Sealing	sealed container IP 67

## STANDARD RESISTANCE TABLE

RESISTANCE	PART MARKING CODE	RESISTANCE CODE
10	A1	100
20	21	200
50	51	500
100	A2	101
200	22	201
500	52	501
1000	A3	102
2000	23	202
5000	53	502
10 000	A4	103
20 000	24	203
50 000	54	503
100 000	A5	104
200 000	25	204
500 000	55	504
1 000 000	A6	105
2 000 000	26	205

## PACKAGING SPECIFICATIONS



## ORDERING INFORMATION

TS3 SERIES	YJ STYLE	500 k $\Omega$ OHMIC VALUE	$\pm 20\%$ TOLERANCE	TR1000 PACKAGING
TR1000 = tape and reel 1000 pcs				

## SAP PART NUMBERING GUIDELINES

T	S	3	Y	J	5	0	4	M	R	1	5			
MODEL			STYLE		OHMIC VALUE			TOL	PACKAGING CODE			SPECIAL (IF APPLICABLE)		
See the end of this data book for conversion tables														



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