



# 3 mm Square Surface Mount Miniature Trimmer Single-Turn Cermet Sealed



#### **FEATURES**

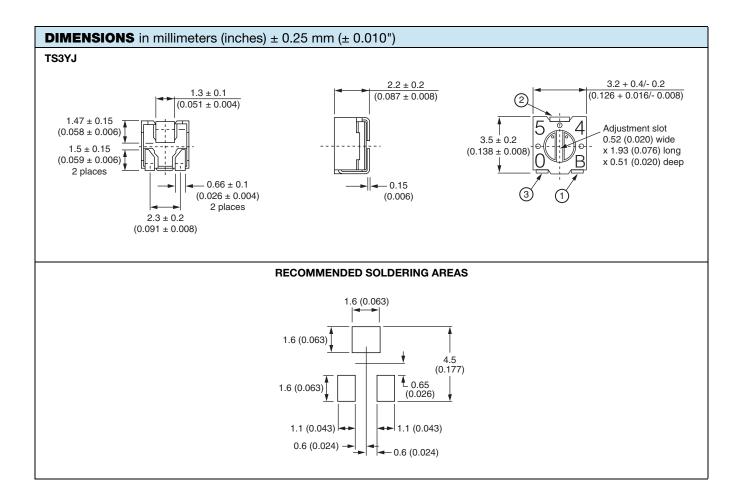




• Small size for optimum packaging density

ROHS

- Suitable for both manual and automatic operations
- Compliant to RoHS Directive 2002/95/EC



# Vishay Sfernice

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ELECTRICAL SPECIFICATIONS				
Resistive element	Cermet			
Electrical travel	220°			
Resistance range	10 Ω to 2 MΩ			
Stocked range	1 kΩ to 100 kΩ			
Standard series	1 - 2 - 5			
Tolerance standard	± 20 %			
Circuit diagram	$ \begin{array}{cccc} \overset{a}{\circ} & & & & & \overset{c}{\circ} \\ \overset{b}{\circ} & & & & & & & \\ & & & & & & & \\ & & & & $			
Power rating	0.125 W at 70 °C			
Temperature coefficient (max.)	$\geq$ 100 $\Omega$ ± 150 ppm/°C/> 100 $\Omega$ ± 100 ppm/°C			
Limiting element voltage (max.)	200 V			
Contact resistance variation	3 % or 3 Ω			
End resistance	1 % or 3 Ω			
Dielectric strength (RMS)	500 V (sea level)			
Insulation resistance (500 V <sub>DC</sub> )	100 ΜΩ			

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 to + 125 °C			
Sealing	Sealed container IP67			
MSL level	1			

#### **SOLDERING RECOMMENDATIONS**

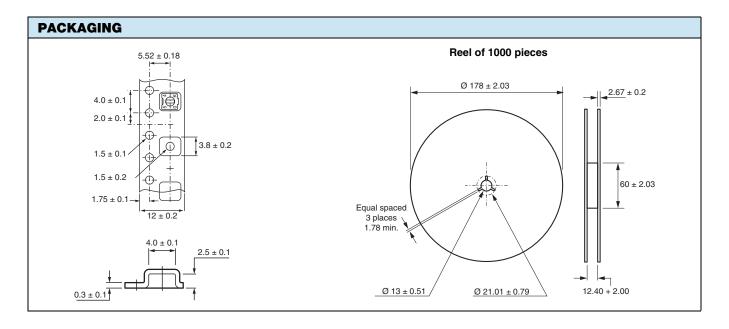
Recommended reflow profile 2, see Application Note <a href="https://www.vishay.com/doc?52029">www.vishay.com/doc?52029</a>

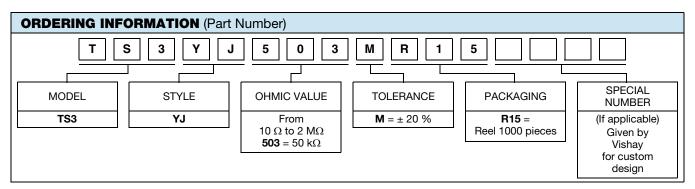
ANDARD RESISTANCE ELEMENT DATA					
RESISTANCE	PART MARKING CODE	RESISTANCE CODE 100			
10	A1				
20	21	200			
50	51	500			
100	A2	101			
200	22	201			
500	52	501			
1K	A3	102			
2K	23	202			
5K	53	502			
10K	A4	103			
20K	24	203			
50K	54	503			
100K	A5	104			
200K	25	204			
500K	55	504			
1M	A6	105			
2M	26	205			



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DESCRIPTION (for information only)							
TS3	YJ	50K	20 %		TR	e3	
MODEL	STYLE	VALUE	TOLERANCE	SPECIAL	PACKAGING	LEAD FINISH	



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Vishay

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