

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



### **FEATURES**

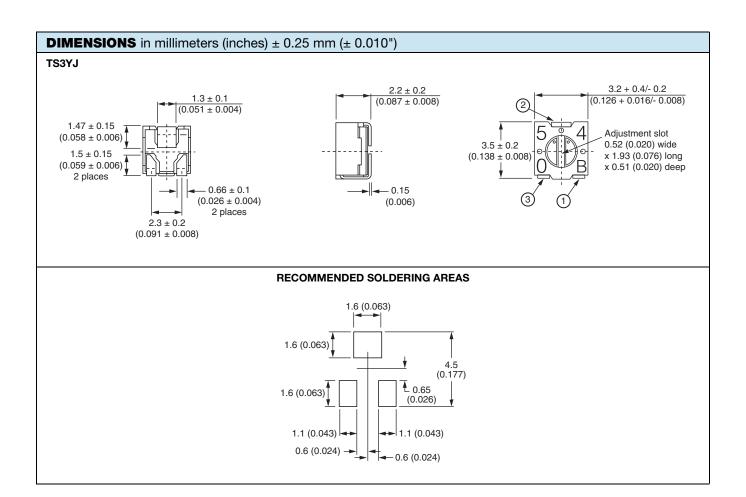




• Small size for optimum packaging density

RoHS

- · Suitable for both manual and automatic operations
- Material categorization: for definitions of compliance please see <a href="https://www.vishay.com/doc?99912"><u>www.vishay.com/doc?99912</u></a>





ELECTRICAL SPECIFICATIONS				
Resistive element	Cermet			
Electrical travel	220°			
Resistance range	10 $\Omega$ to 2 M $\Omega$			
Stocked range	1 kΩ to 100 kΩ			
Standard series	1 - 2 - 5			
Tolerance standard	± 20 %			
Circuit diagram	a (1) b 0 → cw (2)			
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 $\Omega$			
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			

#### Note

• Nothing stated herein shall be construed as a guarantee of quality or durability.

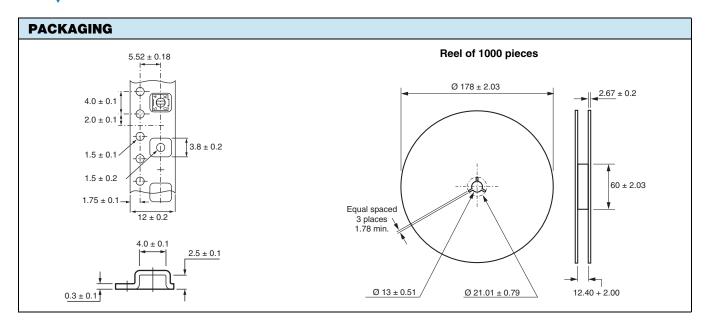
ENVIRONMENTAL SPECIFICATIONS				
Temperature range	-55 °C to +125 °C			
Sealing	Sealed container IP67			
MSL level	1			

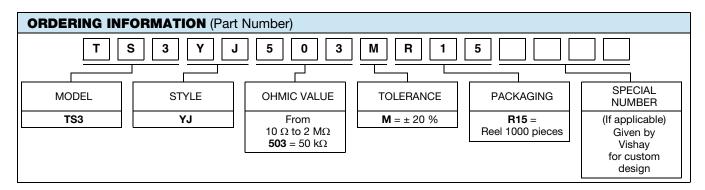
### **SOLDERING RECOMMENDATIONS**

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

STANDARD 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				

# Vishay Sfernice





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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