

Cermet Trimmers, Surface Mount, 4.0 mm Square, Single Turn, **Industrial Grade**



Models Available

click logo to get started.



FEATURES

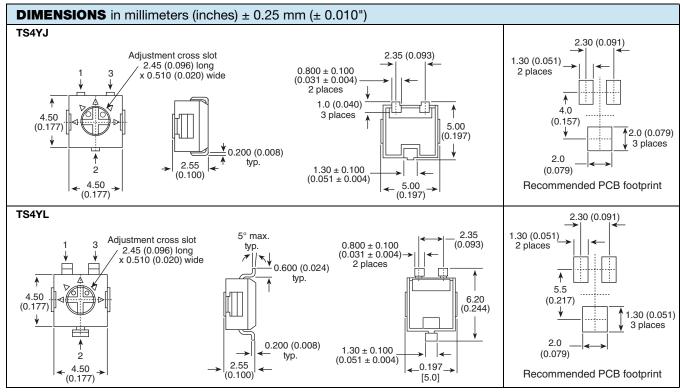
0.25 W at 70 °C





COMPLIANT vacuum

- Compatible popular pick-and-place equipment
- · J-hook and gull-wing configurations
- · Material categorization: for definitions of compliance please see www.vishav.com/doc?99912



ELECTRICAL SPECIFICATIONS					
Resistance range	10 Ω to 2 M Ω (see Standard Resistance table)				
Tolerance	± 20 % standard				
End resistance	1 % or 2 Ω maximum, whichever is greater				
Temperature coefficient	± 100 ppm/°C				
Power rating	0.25 W at +70 °C (300 V maximum), 0 W at +125 °C				
Circuit diagram	Wiper				
Contact resistance variation (CRV)	1 % or 3 Ω				
Resolution	Infinite				
Insulation resistance (500 V _{DC})	100 MΩ minimum				
Dielectric strength (RMS)	Sea level 500 V _{AC} (1 minute)				
Adjustment angle	210° nominal				



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MECHANICAL SPECIFICATIONS				
Mechanical angle	240° nominal			
Operating torque (typical)	1.8 Ncm			
End stop torque (typical)	3.0 Ncm			
Weight	Approximately 0.01 oz.			
Wiper	Positioned at approx. 50 %			

ENVIRONMENTAL SPECIFICATIONS					
Temperature range	-55 °C to +125 °C				
MSL level	1				

PERFORMANCES					
TESTS	CONDITIONS	TYPICAL VALUES AND DRIFTS			
	CONDITIONS	$\Delta R_{T}/R_{T}$ (%)	ΔV ₁₋₂ /V ₁₋₃ (%)	OTHER	
Vibration	20 <i>g</i> 's	± 1 %	± 1 %	-	
Shock	100 <i>g</i> 's	± 1 %	± 1 %	-	
Electrical endurance	I endurance At 70 °C rated power 1000 h		-	-	
Mechanical endurance	100 cycles	± 3 %	-	-	
Change of temperature 5 cycles		± 2 %	± 1 %	-	
Humidity	90 % to 98 % relative humidity 10 cycles, 240 h	± 2 %	-	Insulation resistance:10 $M\Omega$	

Note

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

SOLDERING RECOMMENDATIONS

Recommended reflow profile 2, see Application Note www.vishay.com/doc?52029

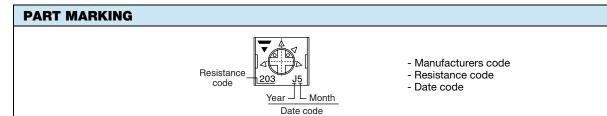
TWO DIGIT DATE CODE							
	YEAR						
1990	Α	2000	М	20	10	Α	
1991	В	2001	N	20	11	В	
1992	С	2002	Р	20	12	С	
1993	D	2003	R	20	13	D	
1994	Е	2004	S	2014 E			
1995	F	2005	Т	20	15	F	
1996	Н	2006	U	2016		Н	
1997	J	2007	V	2017		J	
1998	K	2008	W	2018		K	
1999	L	2009	Х	2019		L	
		MO	NTH				
Januar	inuary 1		July		7		
Februa	ry	2	August		8		
March	1	3		September		9	
April		4	October		0		
May	May 5		November		N		
June		6	December			D	

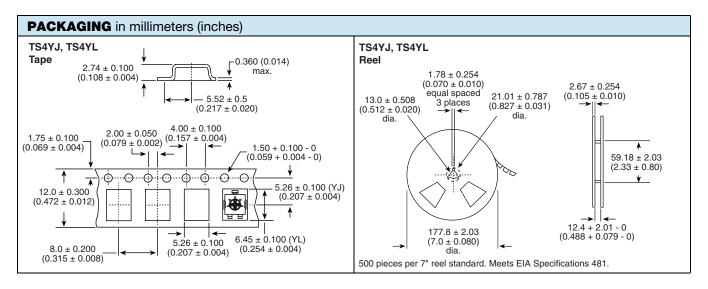
STANDARD RESISTANCE ELEMENT DATA					
RESISTANCE Ω	RESISTANCE CODE	TYPICAL TCR (ppm/°C)			
10	100				
20	200				
50	500				
100	101				
200	201				
500	501				
1K	102				
2K	202				
5K	502	± 100			
10K	103				
20K	203				
50K	503				
100K	104				
200K	204				
500K	504				
1M	105				
2M	205				

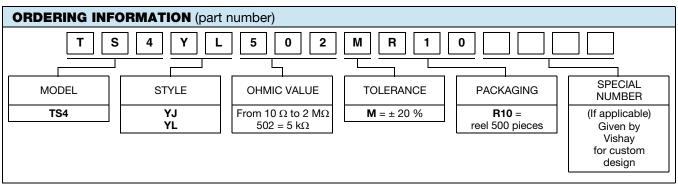
Note

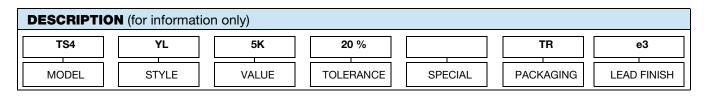
• Special resistance available

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RELATED DOCUMENTS	
APPLICATION NOTES	
Potentiometers and Trimmers	www.vishay.com/doc?51001
Guidelines for Vishay Sfernice Resistive and Inductive Components	www.vishay.com/doc?52029



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