

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



FEATURES

• 0.25 W at 70 °C



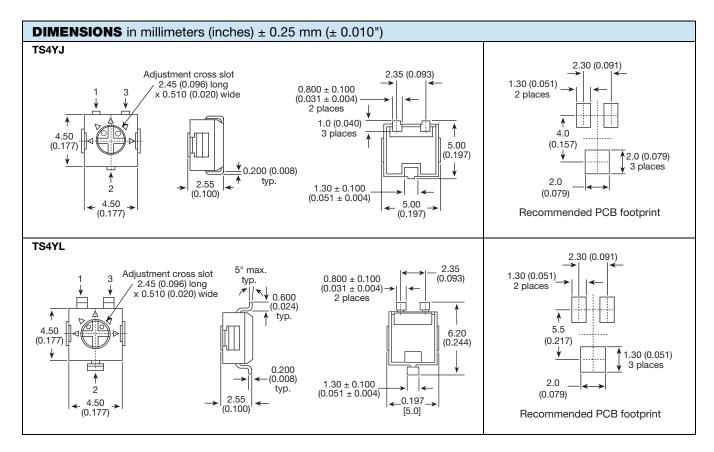
• Fully sealed to withstand board washing

Rohs

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

LINKS TO ADDITIONAL RESOURCES







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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			

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			
		∆R _T /R _T (%)	$\Delta V_{1-2}/V_{1-3}$ (%)	OTHER	
Vibration	20 g's	± 1 %	± 1 %	-	
Shock	100 <i>g</i> 's	± 1 %	± 1 %	-	
Electrical endurance	At 70 °C rated power 1000 h	± 3 %	-	-	
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 Ω	

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



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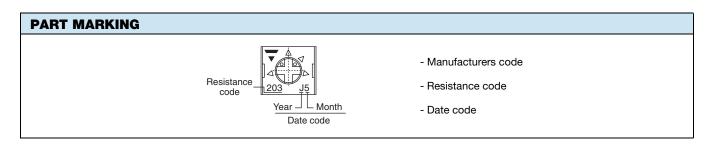


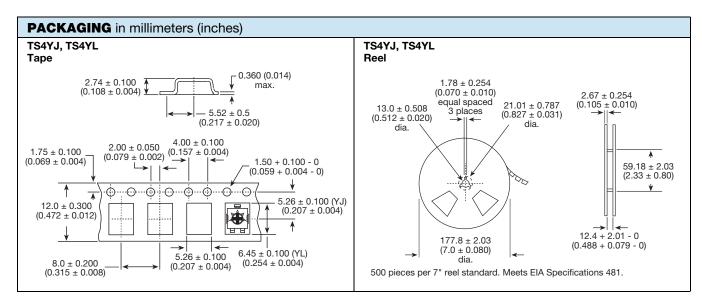
TWO DIGIT DATE CODE							
	YEAR						
1990	1	4	2000	М	20	10	Α
1991	Е	3	2001	N	20	11	В
1992	()	2002	Р	20	12	С
1993	[)	2003	R	20	13	D
1994	Е		2004	S	20	14	Е
1995	F		2005	Т	20	15	F
1996	ŀ	1	2006	U	20	16	Н
1997	,	J	2007	V	20	17	J
1998	ŀ	<	2008	W	20	18	K
1999	I	_	2009	Х	2019		L
MONTH							
Januar	'n	1		July		7	
Februa	ry	2		August		8	
March	1	3		September		9	
April		4		October		0	
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

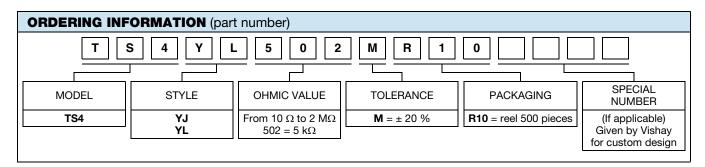
• Special resistance available

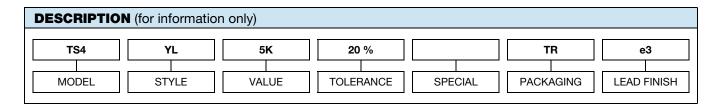




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RELATED DOCUMENTS		
APPLICATION NOTES		
Potentiometers and Trimmers	www.vishay.com/doc?51001	
Guidelines for Vishay Sfernice Resistive and Inductive Components	www.vishay.com/doc?52029	
Selector guide	www.vishay.com/doc?49286	

ACCESSORIES	
Screwdrivers (to order separately)	www.vishay.com/doc?57015



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