

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



Models Available

click logo to get started.



FEATURES

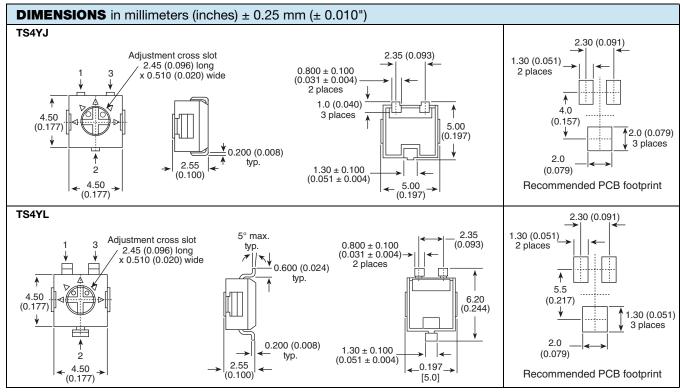
0.25 W at 70 °C





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		



Vishay Sfernice

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			
12515	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	At 70 °C rated power 1000 h	± 3 %	-	-	
Mechanical endurance	100 cycles	± 3 %	-	-	
Change of temperature	ange of temperature 5 cycles		± 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

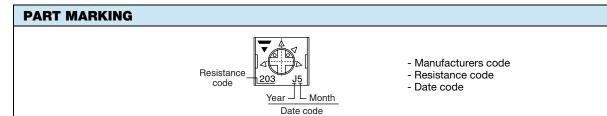
TWO DIGIT DATE CODE						
	YEAR					
1990	Α	2000	М	20	10	Α
1991	В	2001	N	2011		В
1992	С	2002	Р	2012		С
1993	D	2003	R	20	13	D
1994	Е	2004	S	20	2014	
1995	F	2005	Т	20	15	F
1996	Н	2006	U	20	16	Н
1997	J	2007	V	20	17	J
1998	K	2008	W	2018		K
1999	L	2009	Х	2019		L
	MONTH					
Januar	У	1	July		7	
Februa	ry	2	August		8	
March	١	3	September		9	
April		4	October		0	
May		5	November		N	
June		6	December		D	

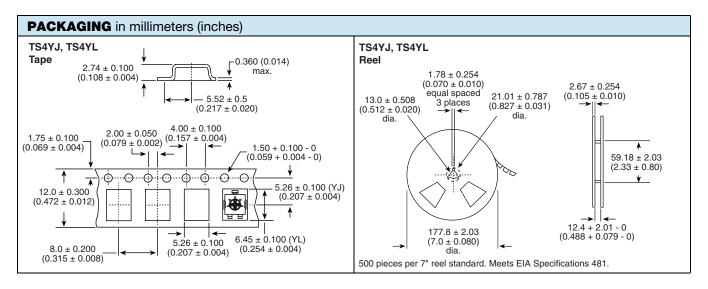
STANDARD RESISTANCE ELEMENT DATA				
RESISTANCE Ω	RESISTANCE CODE	TYPICAL TCR (ppm/°C)		
10	100			
20	200			
50	500			
100	101			
200	201			
500	501			
1K	102			
2K	202			
5K	502	± 100		
10K	103			
20K	203			
50K	503			
100K	104			
200K	204			
500K	504			
1M	105			
2M	205			

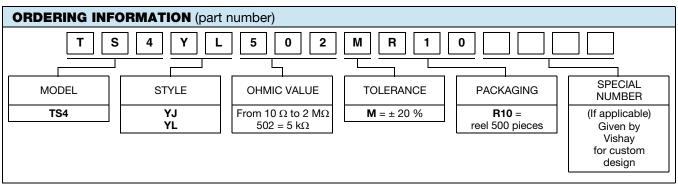
Note

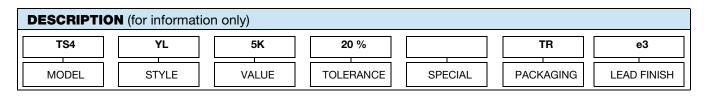
• Special resistance available

Vishay Sfernice









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	



Legal Disclaimer Notice

Vishay

Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Trimmer Resistors - SMD category:

Click to view products by Vishay manufacturer:

Other Similar products are found below:

43WR5KLFTR 5712-305-403E17 TS3YJ503MR15 TS4YL203MR10 43WR100KLFTR G32AT-B101 G32AT-B201 G32AT-B501 G32AT-B503 G32BT-B502 G32BT-B503 G43AT-B201 G43AT-B203 G43BT-B101 G43SAT1-B101 G43SAT1-B102 G43SAT1-B201 G43SAT1-B202 G43SAT1-B501 G43SAT1-B502 G43SAT1-B503 PVG5A102C03R00 PVG5A203C03R00 35WR5KLFTR 35WR10KLFTR 35WR1KLFTR CA6XVSMD-100KA2525 CA6XVSMD-10KA2525 CA6XVSMD-2K5A2525 1806WSMD-1K 1806WSMD-5K 1806PSMD-5K 3214G-1-203E 43WR10LFTR PVG5A202C03R00 PVG5A502C03R00 3314G-1-103E PVG3G103C01R00 PVG3A205C01R00 PVG3A200C01R00 PVG5H102C03B00 3214W-1-103G 3224W-2-101E 3361S-1-200GLF 3224W-2-201E 3224W-1-502G 3224W-1-105G 3214X-2-502E 3214X-2-103E 3214W-2-201E