



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

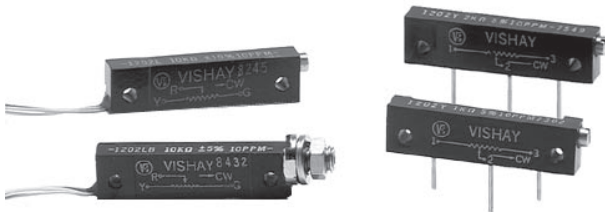
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Bulk Metal® Foil Technology Precision Trimming Potentiometers, 1 1/4 Inch Rectilinear, RJ12 Style - Industrial Trimmer



Product may not be to scale

FEATURES

- Temperature Coefficient of Resistance (TCR):
± 20 ppm/°C Maximum³⁾ (- 55 °C to + 150 °C Ref. at + 25 °C);
Through the wiper⁴⁾: ± 50 ppm/°C typical
- Load Life Stability: 0.5 % Maximum ΔR under Full Rated Power for 2000 hours at + 85 °C
- Settability: 0.1 %
- Setting Stability: 0.1 % Typical²⁾; 0.5 % Maximum²⁾, ΔSS
- Power Rating⁵⁾: 0.5 watts at + 85 °C
- Resistance Range: 20 Ω to 10 k Ω
- Tolerance: ± 20 %, ± 10 %

TABLE 1 - MODEL SELECTION†

MODEL	TERMINATION STYLE	AVERAGE WEIGHT (g)	STANDARD RESISTANCE VALUES (in Ω)	STANDARD TOLERANCE	POWER RATING at + 85 °C AMBIENT	NO. OF TURNS
1208 RJ12 Style	P-In Line PC Pins	2.5	20, 50, 100	± 20 %	0.5 W	25 ± 2
	Y-Staggered PC Pins ¹⁾	2.5				
	L-Flexible Wire Leads	3.3	200, 250, 500, 1K, 2K, 5K, 10K	± 10 %		
	LB-Flexible Wire Leads with bushings	5.1				

NOTES:

† See Figures 1 and 2 in this data sheet.

1. Preferred termination style for current 1-1/4 Inch rectilinear trimmers (staggered PC pins present a sturdier mounting arrangement for shock, vibration, and impact situations.)
2. Maximum is 1.0 % A.Q.L. standard for all specifications except TCR. (For TCR information see notes 3 and 4). "Typical" is a designers reference which represents that 85 % of the lots supplied, over a long period of time, will be at least the figure stated or better.
3. Maximum TCR applies to the 3 s (sigma) limit or 99.73 % of a production lot. (Measured end-to-end with wiper off the element.)
4. Measurements of TCR through the wiper are influenced more by setting stability and the percentage of the total resistance in use (at the wiper) than by fundamental resistance change due to temperature alone. The parameter shown is a 2 s distribution typifying the behavior of the device when used with 40 % or more of the total resistance in use.
5. Derated linearly from full power at + 85 °C to zero (0) watts at + 150 °C. See Figure 3 in this data sheet.
6. Independent of resistance value. 3 W maximum available on special request.

Special Available Options:

- Special Marking
- Special lengths for lead wires (L, LB Style)
- Hooked leads
- Alternate bushing and PC combinations
- Burn-in and screening operations

ADDITIONAL SPECIFICATIONS:

- Contact Resistance Variation - CRV (noise): 10 Ω Maximum⁶⁾
- Hop-off: 0.25 % Typical; 1.0 % Maximum
- Operating Temperature Range: - 55 °C to + 150 °C
- Adjustment Turns: 25 ± 2
- Mechanical Stops: Wiper Idles - No Discontinuity

TABLE 2 - ORDERING INFORMATION - 1208 SERIES PARTS

Please specify Vishay Model 1208 Precision Trimming Potentiometers as follows:			
MODEL NO.	TERMINATION STYLE	RESISTANCE VALUE	TOLERANCE
1208	P	100R	10 %

NOTES:

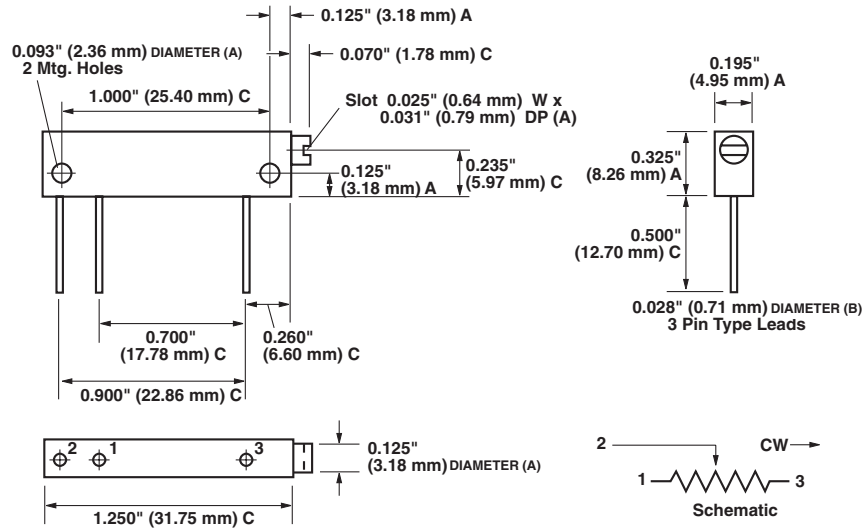
See Table 1 for Details.

See Figure 1, next page for Standard Marking Illustration.

FIGURE 1 - SCHEMATIC AND DIMENSIONS in inches (millimeters)

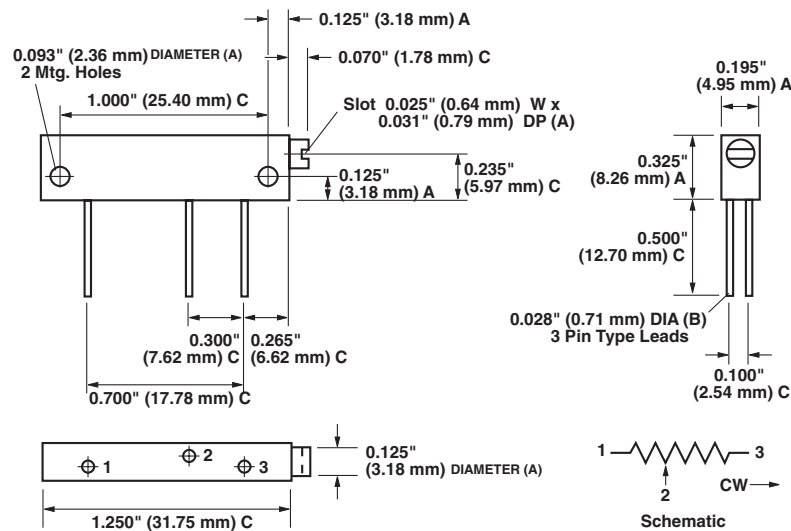
1208P

(In-Line Pins)¹⁾



1208Y

(Staggered Pins)¹⁾



TOLERANCES

- A = ± 0.005 Inches (0.13 mm)
- B = ± 0.003 Inches (0.08 mm)
- C = ± 0.010 Inches (0.25 mm)

NOTE:

1. Pin leads are gold plated nickel which are solderable or weldable.

STANDARD MARKING ILLUSTRATION

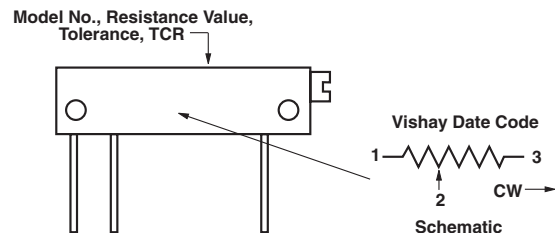
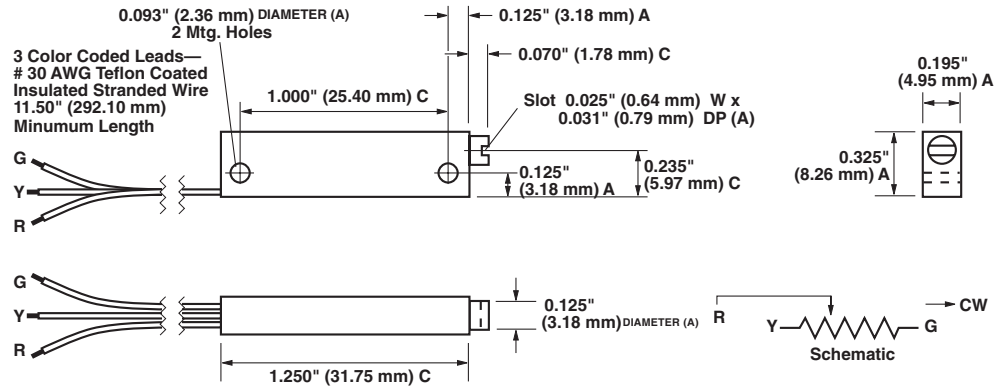
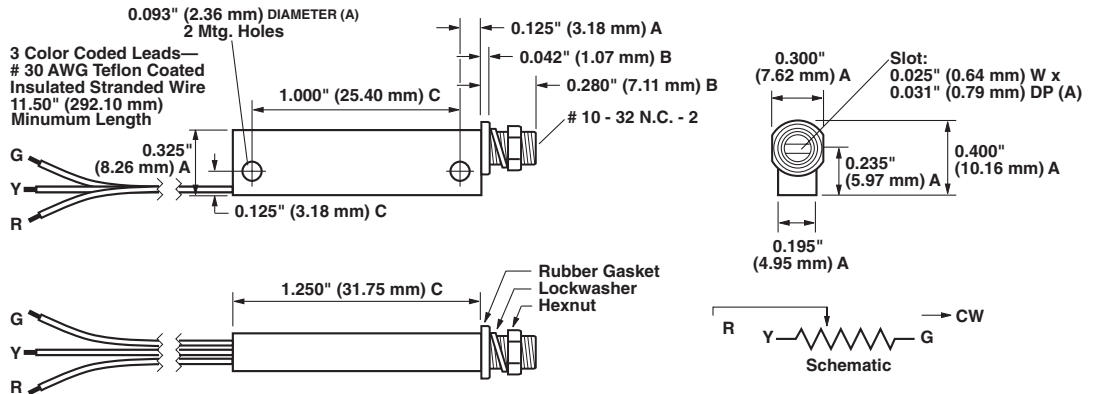


FIGURE 2 - SCHEMATIC AND DIMENSIONS in inches (millimeters)

1208L
(Flexible Leads)



1208LB
(Panel Mounted)

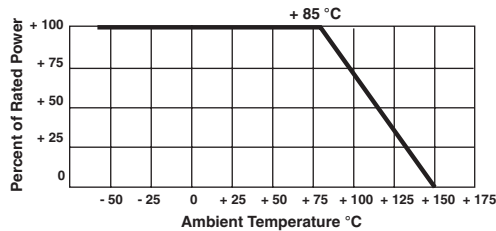


TOLERANCES

- A = ± 0.005 Inches (0.13 mm)
- B = ± 0.003 Inches (0.08 mm)
- C = ± 0.010 Inches (0.25 mm)

Standard marking shown on previous page.

FIGURE 3 - POWER DERATING CURVE



Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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

The product specifications do not expand or otherwise modify VPG's terms and conditions of purchase, including but not limited to, the warranty expressed therein.

VPG makes no warranty, representation or guarantee other than as set forth in the terms and conditions of purchase. **To the maximum extent permitted by applicable law, VPG 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.**

Information provided in datasheets and/or specifications may vary from actual results in different applications and performance may vary over time. Statements regarding the suitability of products for certain types of applications are based on VPG's knowledge of typical requirements that are often placed on VPG products. 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. You should ensure you have the current version of the relevant information by contacting VPG prior to performing installation or use of the product, such as on our website at vpgsensors.com.

No license, express, implied, or otherwise, to any intellectual property rights is granted by this document, or by any conduct of VPG.

The products shown herein are not designed for use in life-saving or life-sustaining applications unless otherwise expressly indicated. Customers using or selling VPG products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify VPG for any damages arising or resulting from such use or sale. Please contact authorized VPG personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Copyright Vishay Precision Group, Inc., 2014. All rights reserved.