



# Facts at a Glance

From: Vishay Foil Resistors

January 1, 2011

FACTS #101

Original release: May 26, 2009

**Author:** Yuval Hernik

**Tel:** +972-3-557-0852

**E-mail:** [Yuval.Hernik@vishaypg.com](mailto:Yuval.Hernik@vishaypg.com)

## Bulk Metal® Foil Trimming Potentiometers

The trade name “Accutrim™” says it all. Our foil-based trimming potentiometers are the most accurate, most settable, most stable of all trimming potentiometers available today. The trade name will appear on all future publications and packaging and will remind the industry of the unique position this foil-based product holds. Sales and marketing personnel are encouraged to refer to the products as Accutrim™ rather than just trimming potentiometers and to explain the source of the unique performance which stems from a flat Bulk Metal® Foil track engaged by a multi-fingered noble metal wiper. All the advantages of Bulk Metal® Foil resistors are transferred to the Accutrim™ trimmer potentiometer. Bulk Metal® Foil Trimming Potentiometers feature:

- **Temperature coefficient of resistance (TCR):  $\pm 5$  ppm/° C typical**
- **Resolution “infinite”: settability < 0.05%**
- **Load-life stability: 0.1% under full rated power for more than 2000 hours**
- **ESD immunity more than 10,000 V**
- **A smooth and unidirectional resistance change with lead screw adjustment**
- **Low power coefficient of resistance:  $\Delta R$  due to self heating**
- **Consistently low wiper contact resistance variation (CRV)**

Reference to the datasheets will further amplify the performance of these products.

For more information on the Accutrim™ trimming potentiometers, please visit the website to review the following datasheets:

- 1202 (RJ12 Style), please visit <http://www.vishaypg.com/docs/63055/1202.pdf>
- 1240 (RJ26 Style), please visit <http://www.vishaypg.com/docs/63053/1240.pdf>
- 1242 (QPL), please visit <http://www.vishaypg.com/docs/63052/1242.pdf>
- 1260 (RJ24 Style), please visit <http://www.vishaypg.com/docs/63054/1260.pdf>
- 1280, 1285G, please visit <http://www.vishaypg.com/docs/63056/12801285.pdf>

For more information about this product group, please contact us at: [Foil@vishaypg.com](mailto:Foil@vishaypg.com)

Follow Vishay Foil Resistors on Twitter: [@VPGFoil](https://twitter.com/VPGFoil) or “Like” our Vishay Precision Group fan page on [Facebook](https://www.facebook.com/vishayprecisiongroup).

### Vishay Precision Group

3 Great Valley Parkway, Suite 150 • Malvern, PA • USA • Phone +1-484-321-5300 • Fax +1-484-321-5301

Where the World Goes for Precision Measurement and Control

[www.vishayfoilresistors.com](http://www.vishayfoilresistors.com)

Micro-Measurements • Vishay Foil Resistors • VPG On-Board Weighing • VPG Process Weighing • VPG Transducers