

## ***IXYS UK Westcode increase voltage rating of 50mm die rectifier diode and introduce new package option***



IXYS UK Westcode Ltd. announces an increased maximum voltage and a new low profile package option for its W2624 series rectifier diode. The maximum grade voltage is increased to 2.8kV and a new 21mm thick package option is added to the standard range for this rectifier diode.

As part of IXYS UK's ongoing optimisation of its rectifier diode portfolio the maximum voltage rating for the W2624 series diode has been increased from 2.5kV to 2.8kV. This increase in voltage has been achieved without compromising the average current rating which remains at 2624A at a heat sink temperature of 55° C. The diode has a surge rating of 30.8kA and a maximum junction temperature of 160°C. The device comprises a 50mm diameter silicon die bonded onto a metal disc packaged in an industry standard outline, fully hermetic ceramic package with 47mm diameter nickel plated copper electrodes. As well as the established 26mm thick package the diode is now also offered in a slim line 21mm thick package; this thinner outline is compatible with some older outlines which are no longer available from the original manufacturers.

As standard the device is available in two voltage classes and the two package thicknesses as outlined above. Part number designations for the expanded range of rectifier diodes are: for the thicker 26mm package, W2624NC240 for a 2400V part and W2624NC280 for a 2800V part; for the new 21mm thick package W2624ND240 for a 2400V part and W2624ND280 for a 2800V part. If required the diodes can be supplied selected for parallel operation against a customer specific specification, consult factory for details.

Typical applications for this device include: Track side rectifiers for DC operated light rail systems, Rectifiers for DC locomotives, front end rectifiers and bridges for industrial applications, DC power supplies, utilities and chemical power supplies.

**For more information, please contact  
IXYS UK Westcode Ltd**

Author—Mr. Frank Wakeman

E-mail—[f.wakeman@ixysuk.com](mailto:f.wakeman@ixysuk.com)



Langley Park Way

Chippenham, SN15 1GE, United Kingdom

Tel: +44 (0)1249 444524 Fax: +44 (0)1249 659448

E-mail: [sales@ixysuk.net](mailto:sales@ixysuk.net)

**[www.ixysuk.com](http://www.ixysuk.com)**