

PRESS RELEASE

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New 3.5kV WespacTM Rectifier diode



Westcode Semiconductors Limited (An IXYS company) announces a new addition to its Rectifier diode range. The new device forms an extension to the revolutionary 'WespacTM' housing, offering the maximum rating in the smallest footprint. The rectifier diode has maximum voltage rating of 3.5kV with an RMS current of 8678A and is encapsulated in a 68mm pole face hermetic pressure contact package.

The new device introduces for the first time the 'WespacTM' style housing for higher voltages. The new package has an industry standard 100mm overall diameter, but with a larger 68mm diameter contact area. When compared to conventionally packaged devices of the same overall dimensions the new device presents 23% more current rating in the same volume. The device is offered in two voltage grades: W4713HM300 with $V_{RRM}=3000V$ and W4713HM350 with $V_{RRM}=3500V$.

The new diode is suited to all rectifier applications within the specified ratings of the device. Typical applications would be track-side power supplies, chemical rectifiers for; aluminium plants, desalination etc, excitation equipment and general high power front end rectifies. The compatibility with conventionally packaged rectifiers offers the opportunity for upgrading the current rating of existing rectifier circuits, without the need to change the mechanics of the cooling system. Thus offering an economic and environment friendly solution for rectifier circuit upgrade or refurbishment. This device family, with its megawatts of power rectification capability in a smaller and lighter weight package, offers unprecedented energy and material cost savings.

For a data sheet please go to the Westcode website at www.westcode.com or please contact us at (email: WSL.sales@westcode.com) or telephone: +44 (0)1249 444524 for quotation.

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