

PRESS RELEASE

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Improved performance 6.5kV Medium Voltage Thyristor



Westcode Semiconductors Limited (An IXYS company) announces higher current rating for the smallest devices in their 6.5kV Medium Voltage thyristors family. The new 6.5kV device has a nominal RMS current rating of 890A, twenty percent more current than the established product. The improved product is encapsulated in the same 34mm (1.39") pole face hermetic pressure contact package, using Westcode's advanced alloy free processing.

The improved devices incorporate the same advanced processing as that used in all Westcode's Medium Voltage thyristors, such as distributed gate architecture for improved turn-on characteristics and enhanced di/dt capability, improved dynamic characteristics with reduced tq and recovery time, properties which make these devices ideally suitable for medium voltage applications, in particular where series operation of the devices is required. Typical applications include: DC drives, Soft-starts, Utility applications such as HVDC, static VAr compensators, excitation and transfer switches.

The new devices, which have an improved thermal resistance, will be offered along side the established lower current rated devices as a higher performance option. The increased current rating allows for the design of more compact systems, where an operational current rating would have required a larger package device to have been used, optimising material usage and system cost. The new devices will be particularly suited to soft-starter applications where a high short-term overload performance is required.

The devices are available in two voltage classes and two package options; K0443LC600 & K04336LC650, which are rated at 6.0kV & 6.5kV respectively and housed in a 26mm (1") thick package; K0443LG600 & K0433LG650, which are rated at 6.0kV & 6.5kV respectively and housed in a 35mm (1.38") thick package.

For data sheets 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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