

# PRESS RELEASE

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## New addition to Extra Fast Recovery Diode range



Westcode Semiconductors Limited (An IXYS company) announces a new addition to its range of Extra Fast Recovery Diodes. Manufactured using Westcode's advanced processing and "life-time" control techniques, the diode characteristics have been optimised to give a fast but soft recovery. With a maximum operating temperature of 150°C the characteristics include  $t_{rr}$  of less than 1.5µs and  $Q_{rr}$  less than 400µC at di/dt of 1000A/µs.

The new diode has a current rating of 240A and is encapsulated in a fully hermetic 25mm diameter pole face, pressure contact package. The F0240YH250 & F0240YH300 diodes, rated at 2500V and 3000V respectively, are encapsulated in industry standard 26mm thick package. The 2500V device is also available in a low profile 15mm thick package F0240YC250, giving the option of a lighter more compact system. The diodes offer robust characteristics with high SOA and are suitable for snubberless operation.

These diodes are suited to all applications, in this voltage class, which require fast soft switching characteristics and low recovery losses. They are particularly suited for use in applications with IGBTs, GTO thyristors and other GTO thyristor related devices where their optimised characteristics are a perfect match for use as clamp or snubber diodes, the 3kV device is ideal for 1.5kV DC traction applications. The high di/dt capability and robust construction also make the diode well suited to applications in pulsed power such as laser power supplies and pulse modulator circuits.

Data sheet is available on [www.westcode.com](http://www.westcode.com). For a quotation please contact us at (email: [WSL.sales@westcode.com](mailto:WSL.sales@westcode.com)) or telephone: +44 (0)1249 444525.

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