

# PRESS RELEASE

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## Westcode introduces new range of Pulse Thyristors



Westcode Semiconductors Limited (An IXYS company) announces the introduction of a new range of pulse thyristors. Three parts will in the initial range, rated up to 4.5kV and 80kA, with further parts in the pipeline. The devices incorporate highly interdigitated gate structures to allow turn-on into extremely high di/dt from high DC link voltages and are primarily aimed at pulsed power applications.

The Y2002KC250 and Y5002NC250 are both symmetrical blocking devices while the Y8002VC450 is an asymmetrical blocking device. All parts are optimised to minimise turn-on delay times and are suitable for series connection with suitable sharing components.

Type	V <sub>DRM</sub> (V)	V <sub>RRM</sub> (V)	I <sub>TM(pulsed)</sub> (kA)	di/dt <sub>(critical)</sub> (kA/μs)	Poleface diameter (mm)
Y2002KC250	2500	2000	20	5	30
Y5002NC250	2500	2000	50	11	47
Y8002VC450	4500	17	80	15	66

Typical applications for these parts include pulsed laser supplies, X-ray generators, purification / sterilisation, metal forming, non-destructive testing, magnetisers, particle accelerators as well as defence applications. In many applications these parts will replace traditional Thyatron and Ignitron technologies and offer the benefits of reduces standby power, zero toxic materials, longer life, zero maintenance and reduced whole life costs.

Westcode are also able to offer complete pulse switch assemblies with ratings up to 50kV and 140kA.

For further information contact us at [wsl.sales@westcode.com](mailto:wsl.sales@westcode.com) or by telephone: +44 (0)1249 444525.

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