

# PRESS RELEASE

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## Completion of 600V Wespac thyristor range



Westcode Semiconductors Limited (An IXYS company) announces the launch of its new 600V thyristor range. These new thyristors are encapsulated in Westcode's revolutionary low profile **Wespac** housings. Four current ratings are available from 2154 to 6974 amperes.

**These new devices continue IXYS' strategic program of maximising the power for volume and weight of its Westcode branded pressure contact thyristor products – *More power, less package!***

These 600V thyristors utilise a newly introduced process and diffusion profile developed specifically to optimise the requirements of a low voltage thyristor. This dedicated process results in the lowest possible forward drop at the full rated current. In combination with the unique **Wespac** outline, the design offers maximum current rating and lowest thermal resistance for weight and volume, without compromising on quality and reliability. A **Wespac** phase control thyristor from IXYS offers a cost effective and space saving alternative to conventional designs.

The **Wespac** thyristor package is only 14mm (0.55") thick, optimising the thermal path from silicon to cooling system. The hermetic ceramic package is suitable for all cooling options including forced air, liquid, plus total immersion systems such as oil and fluoroinert. The lower profile of the package allows for a much more compact subassembly increasing realisable power for a given volume and weight. Typical applications for these devices include Welding, Chemical power supplies, battery powered systems, and all low voltage rectification requirements.

	$I_{TAV} @ T_K = 55^\circ C$ (A)	$I_{TSM}$ (kA)	$V_{TO}$ (V)	$r_T$ (W)	$R_{thJK}$ (K/W)		A (mm)	B (mm)	C (mm)
N2154JK600	2154	22.7	0.89	0.107	0.027		32	50.5	14
N3220QK600	3229	28	0.926	0.067	0.018		38	58.5	14
N4316MK600	4316	45.4	0.84	0.053	0.014		50	74	14
M6974MK600	6974	65	0.853	0.29	0.009		68	100	14

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

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