

Asymmetric Thyristors - Capsule Types

Introducing a new product range in Westcode's portfolio. Devices are available up to a voltage of 3300V. They exhibit very fast turn-on times and are capable of very high values of both critical di/dt and dv/dt. For the device type, they also exhibit high current ratings in excess of 1000A.

Type		V_{DRM}	V_{RRM}	I_{TAV} $T_K=55^\circ\text{C}$	I_{TSM} 10ms ½ sine	I^2t	t_{gd} 25°C Typical	$(di/dt)_{cr}$ @ T_{JM}	$(dv/dt)_{cr}$ @ T_{JM}	V_{TO}	r_T	T_{JM}	R_{thJK} 180° Sine	Fig. No.
Part No.	Dev Part No.	V	V	A	A	A^2s	μs	A/ μs	V/ μs	V	m Ω	°C	K/W	
A1080LC280	AX143LC280	2800	30	1080	12500	781×10^3	0.4	2000	3000	1.038	0.369	125	0.032	W10
A1080LC300	AX143LC300	3000	30	1080	12500	781×10^3	0.4	2000	3000	1.038	0.369	125	0.032	W10
A1080LC330	AX143LC330	3300	30	1080	12500	781×10^3	0.4	2000	3000	1.038	0.369	125	0.032	W10
A1237NC200	AX146NC200	2000	30	1237	18000	1.62×10^6	0.9	2000	3000	1.707	0.212	125	0.024	W11
A1237NC240	AX146NC240	2400	30	1237	18000	1.62×10^6	0.9	2000	3000	1.707	0.212	125	0.024	W11
A1237NC280	AX146NC280	2800	30	1237	18000	1.62×10^6	0.9	2000	3000	1.707	0.212	125	0.024	W11