

Gate Turn Off Thyristors - Capsule & New Stud Type **WESTCODE**

We offer a broad range of high specification devices incorporating advanced feature such as buffer layer, fine pattern and transparent emitter technologies. Devices with voltage ratings to 6 kV (3.8 kV DC link) and controllable current ratings of up to 4 kA are available to meet the toughest demands in applications such as traction propulsion and auxiliaries, AC industrial drives, FACT's and active VAr controllers. Offering both symmetrical devices for applications with a reverse blocking requirement e.g. current sourced inverters and anode shorted devices for applications where no reverse blocking requirement exists e.g. voltage sourced inverters.

Gate Turn-off Thyristors are still the component of choice when it comes to very high power converters and we remain totally committed to this technology for the foreseeable future.

Type Part No. ➤ New	V_{DRM} $V_{GK} = -2V$ V	V_{RRM} V	$I_{TGQM} @ C_s$		I_{TAV} $T_K = 55^\circ C$ A	I_{TSM} kA	I^2t 10 ms ½ sine $V_R \leq 60\% V_{RRM}$ kA ² s	Typ. Switching Times		V_T $I_T = I_{TGQM}$ V	T_{JM} °C	R_{thJK} 180° Sine K/W	Fig. No.
			A	µC				t_{gt} µs	t_{gq} µs				
G1000NC450	4500	18	1000	2.0	545	8.0	320 x 10 ³	4.5	14	4.0	125	0.0270	W30
G1000QC250	2500	18	1000	1.0	443	6.5	211.25 x 10 ³	3	13	4	125	0.0380	W35
G1000QC450	4500	18	1000	1.0	443	6.5	211.25 x 10 ³	3	13	4	125	0.0380	W35
➤ G2000HF250	2500	18	2000	4.0	1090	16.0	1.28 x 10 ⁶	3.0	25	2.8	125	0.0220	W85
➤ G2000HF450	4500	18	2000	4.0	940	13.7	938 x 10 ³	4.0	25	3.5	125	0.0220	W85
➤ G2500HF250	2500	18	2500	6.0	1085	16.0	1.28 x 10 ⁶	3.0	25	3.1	125	0.0220	W85
➤ G3000TF250	2500	18	3000	5.0	1600	30.0	4.5 x 10 ⁶	3.0	25	2.5	125	0.0150	W86
➤ G3000TF450	4500	18	3000	6.0	1381	24.0	2.88 x 10 ⁶	4.0	25	4.0	125	0.0150	W86
G4000EC450	4500	18	4000	6.0	1270	25.0	3.13 x 10 ⁶	7.5	28	4.4	125	0.0140	W33
H0500KC200	2000	2000	500	1.0	280	3.0	45 x 10 ³	2.0	5	3.2	125	0.0650	W34
H0500KC20Y	2000	100	500	1.0	280	3.0	45 x 10 ³	2.0	5	3.2	125	0.0650	W34
H0500KC25D	2500	2000	500	1.0	280	3.0	45 x 10 ³	2.0	5	3.2	125	0.0650	W34
H0500KC25Y	2500	100	500	1.0	280	3.0	45 x 10 ³	2.0	5	3.2	125	0.0650	W34
H0700KC140	1400	1360	700	1.5	360	4.0	80 x 10 ³	3.0	5	2.75	125	0.0630	W34
H0700KC14Y	1400	100	700	1.5	360	4.0	80 x 10 ³	3.0	5	2.75	125	0.0630	W34
H0700KC17D	1700	1360	700	1.5	360	4.0	80 x 10 ³	3.0	5	2.75	125	0.0630	W34
H0700KC17Y	1700	100	700	1.5	360	4.0	80 x 10 ³	3.0	5	2.75	125	0.0630	W34
H1200NC200	2000	2000	1200	3.0	670	10.5	550 x 10 ³	3.0	12	3.3	125	0.0270	W36
H1200NC20Y	2000	100	1200	3.0	670	10.5	550 x 10 ³	3.0	12	3.3	125	0.0270	W36
H1200NC25D	2500	2000	1200	3.0	670	10.5	550 x 10 ³	3.0	12	3.3	125	0.0270	W36
H1200NC25Y	2500	100	1200	3.0	670	10.5	550 x 10 ³	3.0	12	3.3	125	0.0270	W36
➤ S0300SR12D	1200	960	480	1.0	215	3.5	61.2 x 10 ³	3.5	9	2.4	125	0.1300	W87
➤ S0300SR12Y	1200	100	480	1.0	215	3.5	61.2 x 10 ³	3.5	9	2.4	125	0.1300	W87
S0500KC200	2000	2000	500	1.0	330	4.0	80 x 10 ³	3.5	10	2.5	125	0.0650	W34
S0500KC20Y	2000	100	500	1.0	330	4.0	80 x 10 ³	3.5	10	2.5	125	0.0650	W34
S0500KC25D	2500	2000	500	1.0	330	4.0	80 x 10 ³	3.5	10	2.5	125	0.0650	W34
S0500KC25Y	2500	100	500	1.0	330	4.0	80 x 10 ³	3.5	10	2.5	125	0.0650	W34
S0700KC140	1400	1400	700	1.5	430	5.0	125 x 10 ³	3.0	10	2.2	125	0.0630	W34
S0700KC14Y	1400	100	700	1.5	430	5.0	125 x 10 ³	3.0	10	2.2	125	0.0630	W34
S0700KC17D	1700	1360	700	1.5	430	5.0	125 x 10 ³	3.0	10	2.2	125	0.0630	W34
S0700KC17Y	1700	100	700	1.5	430	5.0	125 x 10 ³	3.0	10	2.2	125	0.0630	W34
S1000NC300	3000	3000	1000	2.0	600	10.0	500 x 10 ³	5.0	19	3.5	125	0.0270	W36
S1000NC30Y	3000	100	1000	2.0	600	10.0	500 x 10 ³	5.0	19	3.5	125	0.0270	W36
S1000NC36D	3600	2880	1000	2.0	600	10.0	500 x 10 ³	5.0	19	3.5	125	0.0270	W36
S1000NC36Y	3600	100	1000	2.0	600	10.0	500 x 10 ³	5.0	19	3.5	125	0.0270	W36
S1200NC200	2000	2000	1200	3.0	790	13.0	840 x 10 ³	4.5	19	2.7	125	0.0270	W36
S1200NC20Y	2000	100	1200	3.0	790	13.0	840 x 10 ³	4.5	19	2.7	125	0.0270	W36
S1200NC25D	2500	2000	1200	3.0	790	13.0	840 x 10 ³	4.5	19	2.7	125	0.0270	W36
S1200NC25Y	2500	100	1200	3.0	790	13.0	840 x 10 ³	4.5	19	2.7	125	0.0270	W36

