

Gate Turn-Off Thyristors - Capsule Type

WESTCODE

We offer a broad range of high specification devices incorporating advanced features 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

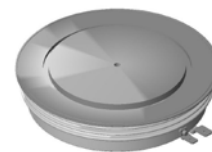
Type		V_{DRM}	V_{RRM}	I_{TGM} @ C_s		I_{TAV}	I_{TSM}	I^2t	Typ. Switching Times		V_T	T_{JM}	R_{thJK}	Fig. No.
Part No. New	Old Part No.	$V_{GK} = -2V$ V	V	A	μF	$T_K = 55^\circ C$ A	kA	10 ms 1/2 sine $V_R \leq 10V$ kA ² s	t_{gt} μs	t_{gq} μs	I_{TGM} V	$^\circ C$	180° Sine K/W	
S0500KC200	N/A	2000	2000	500	1.0	330	4.0	80 x 10 ³	3.5	10	2.50	125	0.065	W34
S0500KC20Y	N/A	2000	100	500	1.0	330	4.0	80 x 10 ³	3.5	10	2.50	125	0.065	W34
S0500KC25D	N/A	2500	2000	500	1.0	330	4.0	80 x 10 ³	3.5	10	2.50	125	0.065	W34
S0500KC25Y	N/A	2500	100	500	1.0	330	4.0	80 x 10 ³	3.5	10	2.50	125	0.065	W34
S0700KC140	N/A	1400	1400	700	1.5	430	5.0	125 x 10 ³	3.0	10	2.20	125	0.065	W34
S0700KC14Y	N/A	1400	100	700	1.5	430	5.0	125 x 10 ³	3.0	10	2.20	125	0.065	W34
S0700KC17D	N/A	1700	1360	700	1.5	430	5.0	125 x 10 ³	3.0	10	2.20	125	0.065	W34
S0700KC17Y	N/A	1700	100	700	1.5	430	5.0	125 x 10 ³	3.0	10	2.20	125	0.065	W34
S1000NC300	N/A	3000	3000	1000	2.0	600	10.0	500 x 10 ³	5.0	19	3.50	125	0.027	W36
S1000NC30Y	N/A	3000	100	1000	2.0	600	10.0	500 x 10 ³	5.0	19	3.50	125	0.027	W36
S1000NC36D	N/A	3600	2880	1000	2.0	600	10.0	500 x 10 ³	5.0	19	3.50	125	0.027	W36
S1000NC36Y	N/A	3600	100	1000	2.0	600	10.0	500 x 10 ³	5.0	19	3.50	125	0.027	W36
S1200NC200	N/A	2000	2000	1200	3.0	790	13.0	840 x 10 ³	4.5	19	2.70	125	0.027	W36
S1200NC20Y	N/A	2000	100	1200	3.0	790	13.0	840 x 10 ³	4.5	19	2.70	125	0.027	W36
S1200NC25D	N/A	2500	2000	1200	3.0	790	13.0	840 x 10 ³	4.5	19	2.70	125	0.027	W36
S1200NC25Y	N/A	2500	100	1200	3.0	790	13.0	840 x 10 ³	4.5	19	2.70	125	0.027	W36
H0500KC200	N/A	2000	2000	500	1.0	280	3.0	45 x 10 ³	2.0	5	3.20	125	0.065	W34
H0500KC20Y	N/A	2000	100	500	1.0	280	3.0	45 x 10 ³	2.0	5	3.20	125	0.065	W34
H0500KC25D	N/A	2500	2000	500	1.0	280	3.0	45 x 10 ³	2.0	5	3.20	125	0.065	W34
H0500KC25Y	N/A	2500	100	500	1.0	280	3.0	45 x 10 ³	2.0	5	3.20	125	0.065	W34
H0700KC140	N/A	1400	1360	700	1.5	360	4.0	80 x 10 ³	3.0	5	2.75	125	0.065	W34
H0700KC14Y	N/A	1400	100	700	1.5	360	4.0	80 x 10 ³	3.0	5	2.75	125	0.065	W34
H0700KC17D	N/A	1700	1360	700	1.5	360	4.0	80 x 10 ³	3.0	5	2.75	125	0.065	W34
H0700KC17Y	N/A	1700	100	700	1.5	360	4.0	80 x 10 ³	3.0	5	2.75	125	0.065	W34
H1200NC200	N/A	2000	2000	1200	3.0	670	10.5	550 x 10 ³	3.0	12	3.30	125	0.027	W36
H1200NC20Y	N/A	2000	100	1200	3.0	670	10.5	550 x 10 ³	3.0	12	3.30	125	0.027	W36
H1200NC25D	N/A	2500	2000	1200	3.0	670	10.5	550 x 10 ³	3.0	12	3.30	125	0.027	W36
H1200NC25Y	N/A	2500	100	1200	3.0	670	10.5	550 x 10 ³	3.0	12	3.30	125	0.027	W36
G1000NC450	N/A	4500	18	1000	2.0	545	8.0	320 x 10 ³	4.5	14	4.00	125	0.027	W30
G1000QC400	GX152QC400	4000	18	1000	1.0	443	6.5	211.25 x 10 ³	3.0	13	4.00	125	0.038	W35
G1000QC450	GX152QC450	4500	18	1000	1.0	443	6.5	211.25 x 10 ³	3.0	13	4.00	125	0.038	W35
GX185QC250	N/A	2500	18	1000	1.0	In Development					125	0.038	W35	
G2000VC250	WG20025SN	2500	18	2000	4.0	1020	16.0	1.28 x 10 ⁶	5.0	24	2.80	125	0.022	W31
G2000VC450	WG20045SN	4500	18	2000	4.0	870	13.0	845 x 10 ³	8.0	25	3.50	125	0.022	W31
G3000TC250	WG30025SN	2500	18	3000	5.0	1640	30.0	4.50 x 10 ⁶	3.0	25	2.50	125	0.015	W32
G3000TC450	WG30045SN	4500	18	3000	6.0	1180	24.0	2.88 x 10 ⁶	9.0	28	4.00	125	0.015	W32
G3000TC600	WG30060SN	6000	18	3000	3.0	1100	24.0	2.88 x 10 ⁶	7.5	28	3.50	110	0.015	W32
G4000EC450	WG40045SN	4500	18	4000	6.0	1270	25.0	3.13 x 10 ⁶	7.5	28	4.40	125	0.014	W33



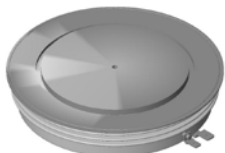
W30 Weight 600 g



W31 Weight 800 g



W32 Weight 1500 g



W33 Weight 1500 g



W34 Weight 120 g



W35 Weight 300 g



W36 Weight 500 g

Outlines on pages
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