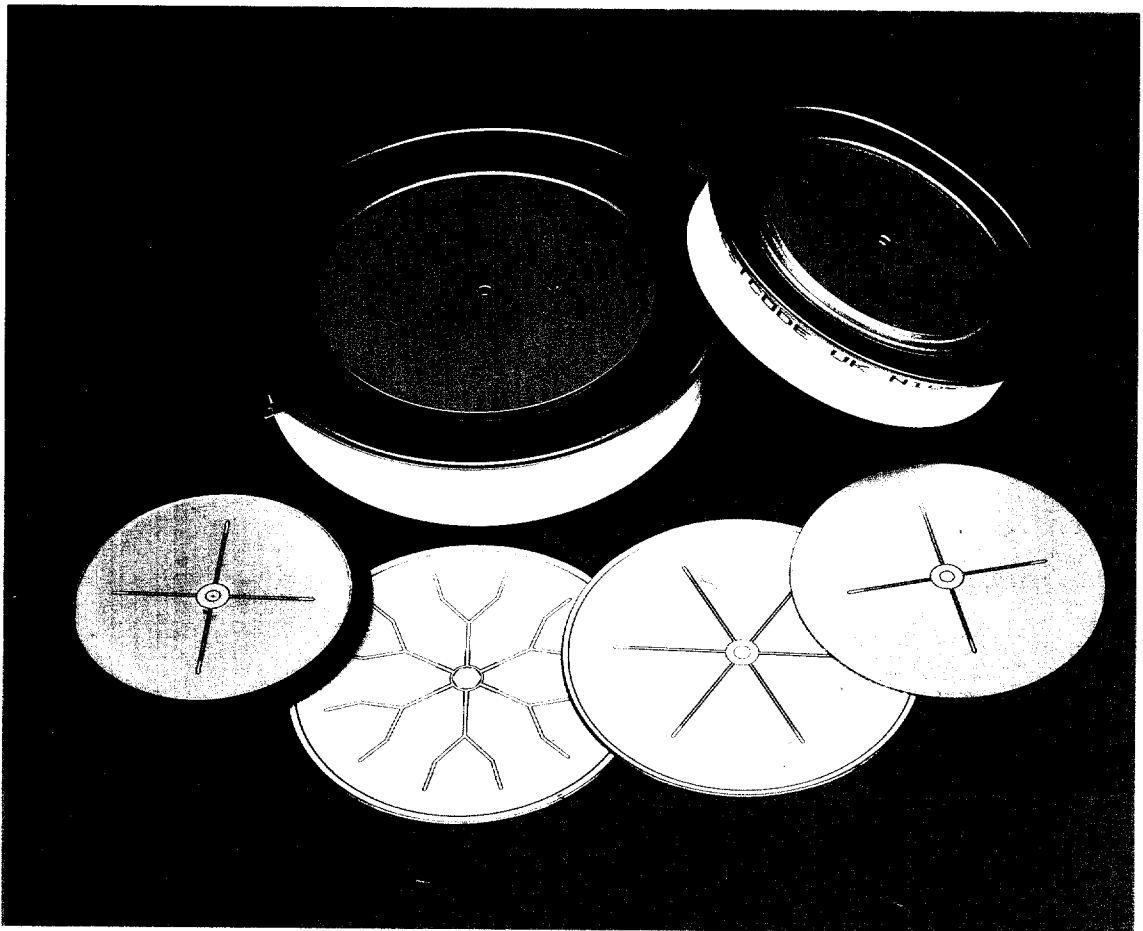


WESTCODE

Large Area Phase Control Thyristors



WESLS00024

Positive Development in Power Electronics

WESLS00024

87 and 100mm Phase Control Thyristors

Type	V _{DRM} /V _{RRM} Range (V)	I _{T(AV)} @ T _{hs} 55°C (A)	I _{T(RMS)} @ T _{hs} 25°C (A)	I _T @ T _{hs} 25°C (A)	I _{TSM} 10msec V _{RS} 10V V _{RRM} (kA)	I _{TSM} 10msec V _{RS} 50% V _{RRM} (kA)	I _{TSM} 10msec V _{RS} 10V (kA)	I _T 10msec V _{RS} 10V (A's x 10 ³)	di/dt Non-Rep/Rep (3) (A/μsec)	I _{GT} /V _{GT} @ 25°C (mA/V)	I _{DRM} I _{RRM} @ T ₁ Max (mA)	I _{ti} @ 25°C (mA)	DC 180° sine (K/W)	ROHS 120° Rect. (K/W)	V _o @ T ₁ Max (V)	τ @ T ₁ Max (ms)	V _{TM} @ I _{TM} @ T ₁ Max (V)	T ₁ Range (°C)	Mounting Force (kN)	Fig No.	Type
N1063DHX	5300-6500	2010	3930	3500	25.2	28.0	3.90	150/300	300/3	600	1000	0.011	0.0114	1.20	0.385	2.00	2000	40 to 115	63 - 77	1	N1063D
N1263CHX	4300-5200	2500	4880	4350	37.8	42.0	8.82	150/300	300/3	500	1000	0.011	0.0114	1.00	0.25	2.04	4000	40 to 125	63 - 77	1	N1263C
N1463CHX	3600-4200	2850	5590	4900	46.8	52.0	13.5	150/300	300/3	250	1000	0.011	0.0114	0.97	0.18	1.87	5000	40 to 125	63 - 77	1	N1463C
N1663CHX	2900-3500	3180	6260	5460	49.5	55.0	15.1	150/300	300/3	250	1000	0.011	0.0114	0.90	0.14	1.74	6000	40 to 125	63 - 77	1	N1663C
N1863CHX	1200-2800	3560	7080	6040	54.0	60.0	18.0	150/300	300/3	250	1000	0.011	0.0114	0.90	0.10	1.50	6000	40 to 125	63 - 77	1	N1863C
N1083CHX	5300-6500	2310	4680	4130	40.0	45.0	10.1	150/300	300/3	600	1000	0.009	0.0096	1.22	0.29	2.10	3000	40 to 115	81 - 98	2	N1083C
N1283CHX	4300-5200	2850	5550	5050	49.5	55.0	15.1	150/300	300/3	600	1000	0.009	0.0096	0.92	0.25	2.10	5000	40 to 125	81 - 98	2	N1283C
N1483CHX	3600-4200	3400	6650	5950	54.0	60.0	18.0	150/300	300/3	400	1000	0.009	0.0096	0.85	0.17	1.87	6000	40 to 125	81 - 98	2	N1483C
N1683CHX	2900-3500	3890	7680	6650	60.0	67.0	22.5	150/300	300/3	300	1000	0.009	0.0096	0.94	0.11	1.60	6000	40 to 125	81 - 98	2	N1683C
N1883CHX	1200-2800	4145	8170	7115	67.5	75.0	28.1	150/300	300/3	300	1000	0.009	0.0096	0.85	0.10	1.45	6000	40 to 125	81 - 98	2	N1883C

For up to date information on any of these devices, please contact Westcode for a complete data sheet.

Notes:
 1) Advance Data
 2) Tentative Data
 3) Please contact Westcode for di/dt ratings in excess of 300A/μsec
 4) Clamps:
 63 to 77kN mounting force require a nominal 7000kgf clamp
 81 to 98kN mounting force require a nominal 9000kgf clamp

Ordering: To complete the device part number, substitute the x in the type with the required voltage divided by 100. When critical dv/dt capability is required above 200V/μsec, please add one of the following codes:
 300V/μsec GOO
 400V/μsec HOO
 500V/μsec JOO
 Please contact Westcode for dv/dt in excess of 500V/μsec

Examples:
 N1263CH52 : 5200 volt device with standard 200V/μsec critical dv/dt
 N1483CH40HOO : 4000 volt device with 400V/μsec critical dv/dt

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Figure 1:
 CH - Dimension A = 27.1/26.1mm compressed height
 DH - Dimension A = 36.5/35mm compressed height

Figure 2:
 CH - Dimension A = 36.5/35mm compressed height