

Phase Control Thyristors

IXYS UK provides one of the most comprehensive ranges of standard phase control thyristors in the industry. Devices with voltage ranges from 400V to 6500V are available, making them suitable for applications with line voltages from 230V to over 1000V (higher voltage applications are now served by our range of Medium Voltage Thyristors). IXYS UK Westcode Ltd. is a leading supplier of phase control products into demanding markets such as industrial DC drives, controlled rectifiers, marine/rail propulsion systems, wind power converters, electrochemical power supplies and soft starters. These devices are optimised to give low conduction losses and are primarily intended for applications with line frequencies up to 400Hz.

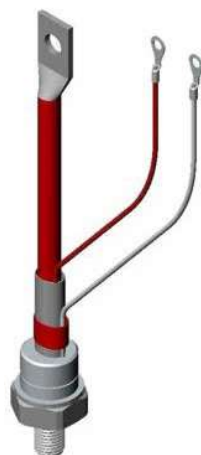
The Wespack outline (WPxx) is an innovative concept in phase control thyristors for applications requiring devices rated to 2200V. It gives the maximum power rating for weight and volume without compromising on quality and reliability. It also gives the maximum current rating and lowest thermal resistance for the package size.

The newest additions to IXYS UK's phase control thyristor range are the 96mm diameter die capsules. These devices are constructed using low temperature sintering technology offering better thermal and electromechanical capability and are available with current ratings up to 6405A and voltage ratings up to 4500V.

Stud Types

Part No.	V_{DRM}	I_{TAV}	I_{TSM}	I^2t 10 ms $\frac{1}{2}$ sine $V_R - \leq 60\% V_{RRM}$	V_{T0}	r_T	T_{JM}	R_{thJC}		Fig. No.
	V_{RRM}	$T_C = 55^\circ C$			@ T_{JM}			d.c. 180° sine	120° Rect.	
	V	A			V	m Ω		K/W	K/W	
N0180SH120	1200	180	2450	30.0×10^3	0.900	1.790	125	0.2300	0.2800	W17
N0180SH160	1600	180	2450	30.0×10^3	0.900	1.790	125	0.2300	0.2800	W17
N0335SC120	1200	335	4650	108×10^3	0.920	0.990	125	0.1200	0.1400	W18
N0335SC160	1600	335	4650	108×10^3	0.920	0.990	125	0.1200	0.1400	W18
N0416SC040	400	416	6000	180×10^3	0.850	0.535	125	0.1200	0.1400	W18
N0416SC080	800	416	6000	180×10^3	0.850	0.535	125	0.1200	0.1400	W18

Outlines on pages
O-01...O-35












W17 Weight 130 g



W18 Weight 280 g


























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Capsule Types

Part No.	V_{DRM}	I_{TAV}	I_{TSM}	I^2t	V_{TO}	r_T	T_{JM}	R_{thJK}		Fig. No.	Package style
	V_{RRM}	$T_K = 55^\circ C$	10 ms ½ sine	60% V_{RRM}	@ T_{JM}	180° Sine	120° Rect.	K/W	K/W		
Not for new design	V	A	A	A ² s	V	mΩ	°C				Outlines on pages O-01...O-35
N0465WN140	1400	465	4500	101 x 10 ³	0.900	0.850	125	0.0800	0.09120	W90	
N0465WN160	1600	465	4500	101 x 10 ³	0.900	0.850	125	0.0800	0.09120	W90	
N0530YN220	2200	530	6300	198 x 10 ³	1.100	1.250	125	0.0480	0.04940	W91	
N0530YN250	2500	530	6300	198 x 10 ³	1.100	1.250	125	0.0480	0.04940	W91	
N0616LC400	4000	616	5250	138 x 10 ³	1.220	1.530	125	0.0320	0.03930	W10	W10 Weight 340 g
N0616LC450	4500	616	5250	138 x 10 ³	1.220	1.530	125	0.0320	0.03930	W10	
N0634LC380	3800	634	7000	245 x 10 ³	1.100	1.500	125	0.0320	0.03930	W10	
N0634LC420	4200	634	7000	245 x 10 ³	1.100	1.500	125	0.0320	0.03930	W10	
N0646LC300	3000	646	5700	162 x 10 ³	1.210	1.360	125	0.0320	0.03930	W10	W12 Weight 1 kg
N0646LC360	3600	646	5700	162 x 10 ³	1.210	1.360	125	0.0320	0.03930	W10	
N0795YN140	1400	795	9450	444 x 10 ³	0.950	0.450	125	0.0480	0.04940	W91	
N0795YN180	1800	795	9450	444 x 10 ³	0.950	0.450	125	0.0480	0.04940	W91	
N0882NC400	4000	882	7700	296 x 10 ³	1.300	0.920	125	0.0240	0.02730	W11	W62 Weight 1 kg
N0882NC450	4500	882	7700	296 x 10 ³	1.300	0.920	125	0.0240	0.02730	W11	
N0910LC200	2000	910	9200	423 x 10 ³	1.040	0.606	125	0.0320	0.03930	W10	
N0910LC260	2600	910	9200	423 x 10 ³	1.040	0.606	125	0.0320	0.03930	W10	
N1010NC300	3000	1010	12100	732 x 10 ³	1.170	0.687	125	0.0240	0.02730	W11	W90 Weight 90 g
N1010NC380	3800	1010	12100	732 x 10 ³	1.170	0.687	125	0.0240	0.02730	W11	
N1075LN180	1800	1240	15750	1.24 x 10 ⁶	0.850	0.320	130	0.0330	0.03710	W92	
N1132NC300	3000	1132	14300	1.02 x 10 ⁶	1.150	0.510	125	0.0240	0.02710	W11	
N1132NC360	3600	1132	14300	1.02 x 10 ⁶	1.150	0.510	125	0.0240	0.02710	W11	W91 Weight 110 g
N1140LN140	1400	1315	17500	1.53 x 10 ⁶	0.820	0.280	130	0.0330	0.03710	W92	
N1159NC380	3800	1159	14500	1.05 x 10 ⁶	1.100	0.574	125	0.0220	0.02550	W11	
N1159NC420	4200	1159	14500	1.05 x 10 ⁶	1.100	0.574	125	0.0220	0.02550	W11	
N1174JK200	2000	1174	13200	870 x 10 ³	1.000	0.416	125	0.0270	0.03140	WP1	W92 Weight 280 g
N1174JK220	2200	1174	13200	870 x 10 ³	1.000	0.416	125	0.0270	0.03140	WP1	
N1263JK160	1600	1263	15000	1.13 x 10 ⁶	1.015	0.332	125	0.0270	0.03140	WP1	WP1 Weight 180 g
N1263JK180	1800	1263	15000	1.13 x 10 ⁶	1.015	0.332	125	0.0270	0.03140	WP1	
N1351VC400	4000	1351	17500	1.53 x 10 ⁶	1.200	0.553	125	0.0170	0.02060	W12	
N1351VC450	4500	1351	17500	1.53 x 10 ⁶	1.200	0.553	125	0.0170	0.02060	W12	
N1351VF400	4000	1351	17500	1.53 x 10 ⁶	1.200	0.553	125	0.0170	0.02060	W62	WP2 Weight 200 g
N1351VF450	4500	1351	17500	1.53 x 10 ⁶	1.200	0.553	125	0.0170	0.02060	W62	
N1366JK080	800	1366	15900	1.26 x 10 ⁶	0.985	0.270	125	0.0270	0.03140	WP1	
N1366JK120	1200	1366	15900	1.26 x 10 ⁶	0.985	0.270	125	0.0270	0.03140	WP1	
N1366JK140	1400	1366	15900	1.26 x 10 ⁶	0.985	0.270	125	0.0270	0.03140	WP1	WP6 Weight 330 g
N1449QL200	2000	1410	17300	1.50 x 10 ⁶	1.060	0.317	125	0.0230	0.02720	WP6	
N1449QL220	2200	1410	17300	1.50 x 10 ⁶	1.060	0.317	125	0.0230	0.02720	WP6	
N1467NC200	2000	1467	21500	2.31 x 10 ⁶	1.000	0.272	125	0.0240	0.02710	W11	
N1467NC260	2600	1467	21500	2.31 x 10 ⁶	1.000	0.272	125	0.0240	0.02710	W11	
N1547NC160	1600	1547	23300	2.71 x 10 ⁶	0.920	0.252	125	0.0240	0.02710	W11	
N1547NC220	2000	1547	23300	2.71 x 10 ⁶	0.920	0.252	125	0.0240	0.02710	W11	
N1581QL160	1600	1535	19100	1.82 x 10 ⁶	1.022	0.253	125	0.0230	0.02700	WP6	
N1581QL180	1800	1535	19100	1.82 x 10 ⁶	1.022	0.253	125	0.0230	0.02700	WP6	
N1651QK200	2000	1651	17300	1.50 x 10 ⁶	1.060	0.317	125	0.0180	0.02170	WP2	
N1651QK220	2200	1651	17300	1.50 x 10 ⁶	1.060	0.317	125	0.0180	0.02170	WP2	
N1661VC300	3000	1661	23000	2.65 x 10 ⁶	1.040	0.350	125	0.0170	0.02060	W12	
N1661VC360	3600	1661	23000	2.65 x 10 ⁶	1.040	0.350	125	0.0170	0.02060	W12	
N1661VF300	3000	1661	23000	2.65 x 10 ⁶	1.040	0.350	125	0.0170	0.02060	W62	
N1661VF360	3600	1661	23000	2.65 x 10 ⁶	1.040	0.350	125	0.0170	0.02060	W62	
N1718NC120	1200	1718	27200	3.70 x 10 ⁶	0.979	0.169	125	0.0240	0.02710	W11	
N1718NC180	1800	1718	27200	3.70 x 10 ⁶	0.979	0.169	125	0.0240	0.02710	W11	
N1718NC200	2000	1718	27200	3.70 x 10 ⁶	0.979	0.169	125	0.0240	0.02710	W11	
N1725MC320	3200	1725	20000	2.00 x 10 ⁶	1.022	0.396	125	0.0150	0.01650	W70	
N1725MC360	3600	1725	20000	2.00 x 10 ⁶	1.022	0.396	125	0.0150	0.01650	W70	














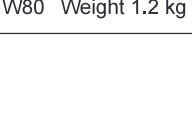


Phase Control Thyristors

Capsule Types

Part No.	V_{DRM}	I_{TAV}	I_{TSM}	I^2t	V_{TO}	r_T	T_{JM}	R_{thJK}		Fig. No.	Package style Outlines on pages O-01...O-35
	V_{RRM}	$T_K = 55^\circ C$	10 ms $\frac{1}{2}$ sine		@ T_{JM}		180° Sine	120° Rect.			
	V	A	$V_R - \leq 60\% V_{RRM}$	A	A ² s	V	mΩ	°C	K/W		
N1802NC120	1200	1802	29600	4.38 x 10 ⁶	0.855	0.171	125	0.0240	0.02710	W11	
N1802NC160	1600	1802	29600	4.38 x 10 ⁶	0.855	0.171	125	0.0240	0.02710	W11	
N1806QK160	1600	1806	19100	1.82 x 10 ⁶	1.022	0.253	125	0.0180	0.02170	WP2	
N1806QK180	1800	1806	19100	1.82 x 10 ⁶	1.022	0.253	125	0.0180	0.02170	WP2	
N1817QL080	800	1760	22000	2.42 x 10 ⁶	0.955	0.177	125	0.0230	0.02720	WP6	
N1817QL120	1200	1760	22000	2.42 x 10 ⁶	0.955	0.177	125	0.0230	0.02720	WP6	
N1817QL140	1400	1760	22000	2.42 x 10 ⁶	0.955	0.177	125	0.0230	0.02720	WP6	
N2015ML200	2000	2015	32400	5.25 x 10 ⁶	0.883	0.210	125	0.0180	0.02010	WP5	
N2015ML220	2200	2015	32400	5.25 x 10 ⁶	0.883	0.210	125	0.0180	0.02010	WP5	
N2055MC260	2600	2105	25800	3.33 x 10 ⁶	0.970	0.240	125	0.0150	0.01650	W70	
N2055MC280	2800	2105	25800	3.33 x 10 ⁶	0.970	0.240	125	0.0150	0.01650	W70	
N2055HE400	4000	2055	24000	2.88x 10 ⁶	0.977	0.342	125	0.0125	0.01380	W80	
N2055HE450	4500	2055	24000	2.88x 10 ⁶	0.977	0.342	125	0.0125	0.01380	W80	
N2083QK080	800	2083	22000	2.42 x 10 ⁶	0.955	0.177	125	0.0180	0.02170	WP2	
N2083QK120	1200	2083	22000	2.42 x 10 ⁶	0.955	0.177	125	0.0180	0.02170	WP2	
N2083QK140	1400	2083	22000	2.42 x 10 ⁶	0.955	0.177	125	0.0180	0.02170	WP2	
N2086NC060	600	2086	35000	6.13 x 10 ⁶	0.840	0.108	125	0.0240	0.02710	W11	
N2086NC100	1000	2086	35000	6.13 x 10 ⁶	0.840	0.108	125	0.0240	0.02710	W11	
N2154JK020	200	2154	22700	2.58 x 10 ⁶	0.890	0.107	140	0.0270	0.03140	WP1	
N2154JK040	400	2154	22700	2.58 x 10 ⁶	0.890	0.107	140	0.0270	0.03140	WP1	
N2154JK060	600	2154	22700	2.58 x 10 ⁶	0.890	0.107	140	0.0270	0.03140	WP1	
N2172ZC400	4000	2172	28000	3.92 x 10 ⁶	1.350	0.294	125	0.0110	0.01190	W13	
N2172ZC450	4500	2172	28000	3.92 x 10 ⁶	1.350	0.294	125	0.0110	0.01190	W13	
N2172ZD400	4000	2172	28000	3.92 x 10 ⁶	1.350	0.294	125	0.0110	0.01190	W46	
N2172ZD450	4500	2172	28000	3.92 x 10 ⁶	1.350	0.294	125	0.0110	0.01190	W46	
N2191ML160	1600	2191	34500	5.95 x 10 ⁶	0.940	0.154	125	0.0180	0.02010	WP5	
N2191ML180	1800	2191	34500	5.95 x 10 ⁶	0.940	0.154	125	0.0180	0.02010	WP5	
N2285HA400	4000	2285	24000	2.88x 10 ⁶	0.977	0.342	125	0.0105	0.01180	W79	
N2285HA450	4500	2285	24000	2.88x 10 ⁶	0.977	0.342	125	0.0105	0.01180	W79	
N2367MK200	2000	2367	32400	5.25 x 10 ⁶	0.883	0.210	125	0.0140	0.01570	WP3	
N2367MK220	2200	2367	32400	5.25 x 10 ⁶	0.883	0.210	125	0.0140	0.01570	WP3	
N2385HE320	3200	2385	28400	4.03 x 10 ⁶	0.910	0.243	125	0.0125	0.01380	W80	
N2385HE360	3600	2385	28400	4.03 x 10 ⁶	0.910	0.243	125	0.0125	0.01380	W80	
N2418ZC300	3000	2418	30000	4.50 x 10 ⁶	1.160	0.246	125	0.0110	0.01190	W13	
N2418ZC360	3600	2418	30000	4.50 x 10 ⁶	1.160	0.246	125	0.0110	0.01190	W13	
N2418ZD300	3000	2418	30000	4.50 x 10 ⁶	1.160	0.246	125	0.0110	0.01190	W46	
N2418ZD360	3600	2418	30000	4.50 x 10 ⁶	1.160	0.246	125	0.0110	0.01190	W46	
N2520ML080	800	2520	38200	7.30 x 10 ⁶	0.980	0.090	125	0.0180	0.02010	WP5	
N2520ML120	1200	2520	38200	7.30 x 10 ⁶	0.980	0.090	125	0.0180	0.02010	WP5	
N2520ML140	1400	2520	38200	7.30 x 10 ⁶	0.980	0.090	125	0.0180	0.02010	WP5	
N2543ZC240	2400	2543	32000	5.12 x 10 ⁶	0.780	0.274	125	0.0110	0.01190	W13	
N2543ZC300	3000	2543	32000	5.12 x 10 ⁶	0.780	0.274	125	0.0110	0.01190	W13	
N2543ZD240	2400	2543	32000	5.12 x 10 ⁶	0.780	0.274	125	0.0110	0.01190	W46	
N2543ZD300	3000	2543	32000	5.12 x 10 ⁶	0.780	0.274	125	0.0110	0.01190	W46	
N2593MK160	1600	2593	34500	5.95 x 10 ⁶	0.940	0.154	125	0.0140	0.01570	WP3	
N2593MK180	1800	2593	34500	5.95 x 10 ⁶	0.940	0.154	125	0.0140	0.01570	WP3	
N2600MC160	1600	2600	30000	4.50 x 10 ⁶	0.950	0.130	125	0.0150	0.01650	W70	
N2600MC180	1800	2600	30000	4.50 x 10 ⁶	0.950	0.130	125	0.0150	0.01650	W70	
N2655HA320	3200	2655	28400	4.03 x 10 ⁶	0.910	0.243	125	0.0105	0.01180	W79	
N2655HA360	3600	2655	28400	4.03 x 10 ⁶	0.910	0.243	125	0.0105	0.01180	W79	
N2825TE400	4000	2825	36900	6.81 x 10 ⁶	1.210	0.270	125	0.0080	0.00850	W82	
N2825TE450	4500	2825	36900	6.81 x 10 ⁶	1.210	0.270	125	0.0080	0.00850	W82	
N2825TJ400	4000	2825	36900	6.81 x 10 ⁶	1.210	0.270	125	0.0080	0.00850	W81	
N2825TJ450	4500	2825	36900	6.81 x 10 ⁶	1.210	0.270	125	0.0080	0.00850	W81	


















Phase Control Thyristors

Capsule Types

Part No.	V_{DRM}	I_{TAV}	I_{TSM}	I^2t	V_{TO}	r_T	T_{JM}	R_{thJK}		Fig. No.	Package style
	V_{RRM}	$T_K = 55^\circ C$	10 ms ½ sine		@ T_{JM}			180° Sine	120° Rect.		
Ø New	V	A	A	A ² s	V	mΩ	°C	K/W	K/W		Outlines on pages O-01...O-35
N2830HE260	2600	2830	36000	6.48 x 10 ⁶	0.930	0.150	125	0.0125	0.01380	W80	
N2830HE280	2800	2830	36000	6.48 x 10 ⁶	0.930	0.150	125	0.0125	0.01380	W80	
N2900QL020	200	2900	28000	3.92 x 10 ⁶	0.850	0.080	150	0.0230	0.02720	WP6	
N2900QL040	400	2900	28000	3.92 x 10 ⁶	0.850	0.080	150	0.0230	0.02720	WP6	
N2900QL060	600	2900	28000	3.92 x 10 ⁶	0.850	0.080	150	0.0230	0.02720	WP6	
N3012ZC200	2000	3012	45100	10.2 x 10 ⁶	0.920	0.160	125	0.0110	0.01190	W13	WP2 Weight 200 g
N3012ZC260	2600	3012	45100	10.2 x 10 ⁶	0.920	0.160	125	0.0110	0.01190	W13	
N3012ZD200	2000	3012	45100	10.2 x 10 ⁶	0.920	0.160	125	0.0110	0.01190	W46	
N3012ZD260	2600	3012	45100	10.2 x 10 ⁶	0.920	0.160	125	0.0110	0.01190	W46	
N3022MK080	800	3022	38200	7.30 x 10 ⁶	0.981	0.090	125	0.0140	0.01570	WP3	WP4 Weight 550 g
N3022MK120	1200	3022	38200	7.30 x 10 ⁶	0.981	0.090	125	0.0140	0.01570	WP3	
N3022MK140	1400	3022	38200	7.30 x 10 ⁶	0.981	0.090	125	0.0140	0.01570	WP3	
N3029ZC240	2400	3029	38200	7.30 x 10 ⁶	0.947	0.154	125	0.0110	0.01190	W13	
N3029ZC280	2800	3029	38200	7.30 x 10 ⁶	0.947	0.154	125	0.0110	0.01190	W13	
N3029ZD240	2400	3029	38200	7.30 x 10 ⁶	0.947	0.154	125	0.0110	0.01190	W46	
N3029ZD280	2800	3029	38200	7.30 x 10 ⁶	0.947	0.154	125	0.0110	0.01190	W46	
N3165HA260	2600	3165	36000	6.48 x 10 ⁶	0.930	0.150	125	0.0105	0.01180	W79	WP5 Weight 500 g
N3165HA280	2800	3165	36000	6.48 x 10 ⁶	0.930	0.150	125	0.0105	0.01180	W79	
N3175HE160	1600	3175	45500	10.40 x 10 ⁶	0.900	0.110	125	0.0125	0.01380	W80	
N3175HE180	1800	3175	45500	10.40 x 10 ⁶	0.900	0.110	125	0.0125	0.01380	W80	
N3229QK020	200	3229	28000	3.92 x 10 ⁶	0.926	0.067	140	0.0180	0.02170	WP2	
N3229QK040	400	3229	28000	3.92 x 10 ⁶	0.926	0.067	140	0.0180	0.02170	WP2	
N3229QK060	600	3229	28000	3.92 x 10 ⁶	0.926	0.067	140	0.0180	0.02170	WP2	
N3533ZC180	1800	3533	50000	12.5 x 10 ⁶	0.970	0.095	125	0.0110	0.01200	W13	
N3533ZC220	2200	3533	50000	12.5 x 10 ⁶	0.970	0.095	125	0.0110	0.01200	W13	
N3533ZD180	1800	3533	50000	12.5 x 10 ⁶	0.970	0.095	125	0.0110	0.01200	W46	WP6 Weight 330 g
N3533ZD220	2200	3533	50000	12.5 x 10 ⁶	0.970	0.095	125	0.0110	0.01200	W46	
N3565HA160	1600	3565	45500	10.4 x 10 ⁶	0.900	0.110	125	0.0105	0.01180	W79	
N3565HA180	1800	3565	45500	10.4 x 10 ⁶	0.900	0.110	125	0.0105	0.01180	W79	
N3597ML020	200	3597	45400	10.3 x 10 ⁶	0.840	0.053	140	0.0180	0.02010	WP5	
N3597ML040	400	3597	45400	10.3 x 10 ⁶	0.840	0.053	140	0.0180	0.02010	WP5	
N3597ML060	600	3597	45400	10.3 x 10 ⁶	0.840	0.053	140	0.0180	0.02010	WP5	
N3620TE320	3200	3620	45000	10.12 x 10 ⁶	0.911	0.168	125	0.0080	0.00850	W82	W13 Weight 1.7 kg
N3620TE360	3600	3620	45000	10.12 x 10 ⁶	0.911	0.168	125	0.0080	0.00850	W82	
N3620TJ320	3200	3620	45000	10.12 x 10 ⁶	0.911	0.168	125	0.0080	0.00850	W81	
N3620TJ360	3600	3620	45000	10.12 x 10 ⁶	0.911	0.168	125	0.0080	0.00850	W81	
N3790TE240	2400	3790	49500	12.3 x 10 ⁶	0.900	0.150	125	0.0080	0.00850	W82	
N3790TE280	2800	3790	49500	12.3 x 10 ⁶	0.900	0.150	125	0.0080	0.00850	W82	
N3790TJ240	2400	3790	49500	12.3 x 10 ⁶	0.900	0.150	125	0.0080	0.00850	W81	W46 Weight 1.2 kg
N3790TJ280	2800	3790	49500	12.3 x 10 ⁶	0.900	0.150	125	0.0080	0.00850	W81	
N3880ZD160	1600	3880	59000	17.4 x 10 ⁶	0.986	0.068	125	0.1100	0.11900	W46	
N3880ZD180	1800	3880	59000	17.4 x 10 ⁶	0.986	0.068	125	0.1100	0.11900	W46	
N3904HK200	2000	3904	50900	12.95 x 10 ⁶	0.920	0.111	125	0.0090	0.00990	WP4	
N3904HK220	2200	3904	50900	12.95 x 10 ⁶	0.920	0.111	125	0.0090	0.00990	WP4	
N3930ZC120	1200	3930	54000	14.6 x 10 ⁶	0.841	0.080	125	0.0110	0.01190	W13	W79 Weight 890 g
N3930ZC160	1600	3930	54000	14.6 x 10 ⁶	0.841	0.080	125	0.0110	0.01190	W13	
N3930ZD120	1200	3930	54000	14.6 x 10 ⁶	0.841	0.080	125	0.0110	0.01190	W46	
N3930ZD160	1600	3930	54000	14.6 x 10 ⁶	0.841	0.080	125	0.0110	0.01190	W46	
N4085ZC080	800	4085	64000	20.5 x 10 ⁶	0.850	0.070	125	0.0110	0.01190	W13	
N4085ZC120	1200	4085	64000	20.5 x 10 ⁶	0.850	0.070	125	0.0110	0.01190	W13	
N4085ZD080	800	4085	64000	20.5 x 10 ⁶	0.850	0.070	125	0.0110	0.01190	W46	
N4085ZD120	1200	4085	64000	20.5 x 10 ⁶	0.850	0.070	125	0.0110	0.01190	W46	W80 Weight 1.2 kg
Ø N4165EE400	4000	4165	56000	15.7 x 10 ⁶	0.977	0.177	125	0.0060	0.00639	W108	
Ø N4165EE450	4500	4165	56000	15.7 x 10 ⁶	0.977	0.177	125	0.0060	0.00639	W108	

Phase Control Thyristors

Capsule Types

Part No.	V_{DRM}	I_{TAV}	I_{TSM}	I^2t	V_{TO}	r_T	T_{JM}	R_{thJK}		Fig. No.	Package style
	V_{RRM}	$T_K = 55^\circ C$	10 ms $\frac{1}{2}$ sine	$V_R - \leq 60\% V_{RRM}$	@ T_{JM}	180° Sine	120° Rect.	180° Sine	120° Rect.		
Ø New	V	A	A	A ² s	V	mΩ	°C	K/W	K/W		Outlines on pages O-01...O-35
N4316MK020	200	4316	45400	10.3 x 10 ⁶	0.840	0.053	140	0.0140	0.01570	WP3	
N4316MK040	400	4316	45400	10.3 x 10 ⁶	0.840	0.053	140	0.0140	0.01570	WP3	
N4316MK060	600	4316	45400	10.3 x 10 ⁶	0.840	0.053	140	0.0140	0.01570	WP3	
N4340TE180	1800	4340	55000	15.1 x 10 ⁶	0.886	0.105	125	0.0080	0.00850	W82	
N4340TE220	2200	4340	55000	15.1 x 10 ⁶	0.886	0.105	125	0.0080	0.00850	W82	
N4340TJ180	1800	4340	55000	15.1 x 10 ⁶	0.886	0.105	125	0.0080	0.00850	W81	
N4340TJ220	2200	4340	55000	15.1 x 10 ⁶	0.886	0.105	125	0.0080	0.00850	W81	
N4472HK160	1600	4472	59000	17.40 x 10 ⁶	0.986	0.068	125	0.0090	0.00990	WP4	
N4472HK180	1800	4472	59000	17.40 x 10 ⁶	0.986	0.068	125	0.0090	0.00990	WP4	
Ø N4650EA400	4000	4650	56000	15.7 x 10 ⁶	0.977	0.177	125	0.0050	0.00538	W107	
Ø N4650EA450	4500	4650	56000	15.7 x 10 ⁶	0.977	0.177	125	0.0050	0.00538	W107	
Ø N4845EE320	3200	4845	65000	21.1 x 10 ⁶	0.913	0.125	125	0.0060	0.00654	W108	
Ø N4845EE360	3600	4845	65000	21.1 x 10 ⁶	0.913	0.125	125	0.0060	0.00654	W108	
N5320FE400	4000	5320	78000	30.42x10 ⁶	1.060	0.130	125	0.0048	0.00513	W119	
N5320FE450	4500	5320	78000	30.42x10 ⁶	1.060	0.130	125	0.0048	0.00513	W119	
Ø N5415EA320	3200	5415	65000	21.1 x 10 ⁶	0.913	0.125	125	0.0050	0.00538	W107	
Ø N5415EA360	3600	5415	65000	21.1 x 10 ⁶	0.913	0.125	125	0.0050	0.00538	W107	
Ø N5715EE240	2400	5715	80000	32.0 x 10 ⁶	0.840	0.085	125	0.0060	0.00654	W108	
Ø N5715EE280	2800	5715	80000	32.0 x 10 ⁶	0.840	0.085	125	0.0060	0.00654	W108	
N5910FA400	4000	5910	78000	30.42x10 ⁶	1.060	0.130	125	0.0040	0.00439	W118	
N5910FA450	4500	5910	78000	30.42x10 ⁶	1.060	0.130	125	0.0040	0.00439	W118	
N6012ZD020	200	6012	65000	21.13 x 10 ⁶	0.853	0.029	140	0.0110	0.01190	W46	
N6012ZD040	400	6012	65000	21.13 x 10 ⁶	0.853	0.029	140	0.0110	0.01190	W46	
N6012ZD060	600	6012	65000	21.13 x 10 ⁶	0.853	0.029	140	0.0110	0.01190	W46	
Ø N6405EA240	2400	6405	80000	32.0 x 10 ⁶	0.840	0.085	125	0.0050	0.00538	W107	
Ø N6405EA280	2800	6405	80000	32.0 x 10 ⁶	0.840	0.085	125	0.0050	0.00538	W107	
N6974HK020	200	6974	65000	21.13 x 10 ⁶	0.853	0.029	140	0.0090	0.00990	WP4	
N6974HK040	400	6974	65000	21.13 x 10 ⁶	0.853	0.029	140	0.0090	0.00990	WP4	
N6974HK060	600	6974	65000	21.13 x 10 ⁶	0.853	0.029	140	0.0090	0.00990	WP4	
N7585FE240	2400	7585	110000	60.50x10 ⁶	0.780	0.062	125	0.0048	0.00513	W119	
N7585FE280	2800	7585	110000	60.50x10 ⁶	0.780	0.062	125	0.0048	0.00513	W119	
N7905FE180	1800	7905	117000	68.44x10 ⁶	0.770	0.056	125	0.0048	0.00513	W119	
N7905FE220	2200	7905	117000	68.44x10 ⁶	0.770	0.056	125	0.0048	0.00513	W119	
N8440FA240	2400	8440	110000	60.50x10 ⁶	0.780	0.062	125	0.0040	0.00439	W118	
N8440FA280	2800	8440	110000	60.50x10 ⁶	0.780	0.062	125	0.0040	0.00439	W118	
N8800FA180	1800	8800	117000	68.44x10 ⁶	0.770	0.056	125	0.0040	0.00439	W118	
N8800FA220	2200	8800	117000	68.44x10 ⁶	0.770	0.056	125	0.0040	0.00439	W118	



W108 Weight 2.1 kg



W107 Weight 1.6 kg



W81 Weight 1.2 kg