

Phase Control Thyristors - Capsule Types

WESTCODE

We provide one of the most comprehensive ranges of standard phase control thyristors in the industry.

Device with voltage ranges from 600 V to 4500 V are available, making them suitable for applications with line voltages from 230 V to over 1000 V (higher voltage applications are now served by our range of Medium Voltage Thyristors). Westcode is a leading supplier of phase control products into demanding markets such as industrial DC drives, induction melting, 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 400 Hz.

Outlines on pages O-01...O-24

Type		V_{DRM} V_{RRM} V	I_{TAV} $T_K = 55^\circ C$ A	I_{TSM} 10 ms ½ sine $V_R \leq 60\% V_{RRM}$ A	I^2t A ² s	V_{T0} V	r_T @ T_{JM} mΩ	T_{JM} °C	R_{thJK}		Fig. No.
Part No. New	Old Part No.								180° Sine K/W	120° Rect. K/W	
N0194WC120	N086CH12	1200	194	1700	14.5 x 10 ³	1.570	2.290	125	0.135	0.190	W8
N0194WC160	N086CH16	1600	194	1700	14.5 x 10 ³	1.570	2.290	125	0.135	0.190	W8
N0255WC120	N105CH12	1200	255	2450	30.0 x 10 ³	0.900	1.790	125	0.135	0.190	W8
N0255WC160	N105CH16	1600	255	2450	30.0 x 10 ³	0.900	1.790	125	0.135	0.190	W8
N0339WC120	N170CH12	1200	339	4200	88.2 x 10 ³	1.080	1.300	125	0.095	0.110	W8
N0339WC160	N170CH16	1600	339	4200	88.2 x 10 ³	1.080	1.300	125	0.095	0.110	W8
N0392WC120	N195CH12	1200	392	4650	108 x 10 ³	0.920	0.990	125	0.095	0.110	W8
N0392WC160	N195CH16	1600	392	4650	108 x 10 ³	0.920	0.990	125	0.095	0.110	W8
N0491WC020	N275CH02	200	491	6000	180 x 10 ³	0.850	0.535	125	0.095	0.110	W8
N0491WC080	N275CH08	800	491	6000	180 x 10 ³	0.850	0.535	125	0.095	0.110	W8
N0606YS200	N282SH20	2000	606	7100	252 x 10 ³	1.103	0.804	125	0.050	0.058	W9
N0606YS250	N/A	2500	606	7100	252 x 10 ³	1.103	0.804	125	0.050	0.058	W9
N0616LC400	N255CH40	4000	616	5250	138 x 10 ³	1.220	1.530	125	0.032	0.040	W10
N0616LC450	N255CH45	4500	616	5250	138 x 10 ³	1.220	1.530	125	0.032	0.040	W10
N0634LC380	N257CH38	3800	634	7000	245 x 10 ³	1.100	1.500	125	0.032	0.040	W10
N0634LC420	N257CH42	4200	634	7000	245 x 10 ³	1.100	1.500	125	0.032	0.040	W10
N0646LC300	N260CH30	3000	646	5700	162 x 10 ³	1.210	1.360	125	0.032	0.040	W10
N0646LC360	N260CH36	3600	646	5700	162 x 10 ³	1.210	1.360	125	0.032	0.040	W10
N0676YS120	N281SH12	1200	676	7500	281 x 10 ³	1.090	0.587	125	0.050	0.058	W9
N0676YS180	N281SH18	1800	676	7500	281 x 10 ³	1.090	0.587	125	0.050	0.058	W9
N0734YS120	N280SH12	1200	734	8400	353 x 10 ³	1.030	0.483	125	0.050	0.058	W9
N0734YS160	N280SH16	1600	734	8400	353 x 10 ³	1.030	0.483	125	0.050	0.058	W9
N0782YS120	N283SH12	1200	782	9420	444 x 10 ³	0.920	0.450	125	0.050	0.058	W9
N0782YS160	N283SH16	1600	782	9420	444 x 10 ³	0.920	0.450	125	0.050	0.058	W9
N0882NC400	N320CH40	4000	882	7700	296 x 10 ³	1.300	0.920	125	0.024	0.030	W11
N0882NC450	N320CH45	4500	882	7700	296 x 10 ³	1.300	0.920	125	0.024	0.030	W11
N0910LS200	N330SH20	2000	910	9200	423 x 10 ³	1.040	0.606	125	0.032	0.040	W60
N0910LS260	N330SH26	2600	910	9200	423 x 10 ³	1.040	0.606	125	0.032	0.040	W60
N0992YS020	N310SH02	200	992	11000	605 x 10 ³	0.820	0.240	125	0.050	0.058	W9
N0992YS060	N310SH06	600	992	11000	605 x 10 ³	0.820	0.240	125	0.050	0.058	W9
N1010NC300	N360CH30	3000	1010	12100	732 x 10 ³	1.170	0.687	125	0.024	0.030	W11
N1010NC380	N360CH38	3800	1010	12100	732 x 10 ³	1.170	0.687	125	0.024	0.030	W11
N1042LS120	N350SH12	1200	1042	11500	661 x 10 ³	1.080	0.395	125	0.032	0.040	W60
N1042LS180	N350SH18	1800	1042	11500	661 x 10 ³	1.080	0.395	125	0.032	0.040	W60
N1114LS120	N370SH12	1200	1114	12700	806 x 10 ³	1.000	0.349	125	0.032	0.040	W60
N1114LS180	N370SH18	1800	1114	12700	806 x 10 ³	1.000	0.349	125	0.032	0.040	W60
N1132NC300	N390CH30	3000	1132	14300	1.02 x 10 ⁶	1.150	0.510	125	0.024	0.030	W11
N1132NC320	N390CH32	3200	1132	14300	1.02 x 10 ⁶	1.150	0.510	125	0.024	0.030	W11
N1159NC380	N500CH38	3800	1159	14500	1.05 x 10 ⁶	1.100	0.574	125	0.022	0.027	W11
N1159NC420	N500CH42	4200	1159	14500	1.05 x 10 ⁶	1.100	0.574	125	0.022	0.027	W11
N1265LS120	N520SH12	1200	1226	15000	1.125 X 10 ⁶	0.883	0.297	125	0.032	0.039	W60
N1265LS160	N520SH16	1600	1226	15000	1.125 X 10 ⁶	0.883	0.297	125	0.032	0.039	W60
N1297NS200	N450SH20	2000	1297	17600	1.55 x 10 ⁶	1.030	0.380	125	0.024	0.030	W61
N1297NS260	N450SH26	2600	1297	17600	1.55 x 10 ⁶	1.030	0.380	125	0.024	0.030	W61
N1314NC300	N570CH30	3000	1314	16600	1.38 x 10 ⁶	1.000	0.437	125	0.024	0.030	W11
N1314NC360	N570CH36	3600	1314	16600	1.38 x 10 ⁶	1.000	0.437	125	0.024	0.030	W11
N1351VC400	N560CH40	4000	1351	17500	1.53 x 10 ⁶	1.200	0.553	125	0.017	0.020	W12
N1351VC450	N560CH45	4500	1351	17500	1.53 x 10 ⁶	1.200	0.553	125	0.017	0.020	W12
N1351VF400	N/A	4000	1351	17500	1.53 x 10 ⁶	1.200	0.553	125	0.017	0.020	W62
N1351VF450	N/A	4500	1351	17500	1.53 x 10 ⁶	1.200	0.553	125	0.017	0.020	W62
N1467NS200	N490SH20	2000	1467	21500	2.31 x 10 ⁶	1.000	0.272	125	0.024	0.030	W61
N1467NS260	N490SH26	2600	1467	21500	2.31 x 10 ⁶	1.000	0.272	125	0.024	0.030	W61
N1479NS240	N620SH24	2400	1436	21000	2.21 x 10 ⁶	1.000	0.342	125	0.022	0.026	W61
N1479NS300	N620SH30	3000	1436	21000	2.21 x 10 ⁶	1.000	0.342	125	0.022	0.026	W61
N1547NS160	N510SH16	1600	1547	23300	2.71 x 10 ⁶	0.920	0.252	125	0.024	0.030	W61
N1547NS200	N510SH20	2000	1547	23300	2.71 x 10 ⁶	0.920	0.252	125	0.024	0.030	W61
N1588NS200	N680SH20	2000	1588	22500	2.53 x 10 ⁶	0.951	0.268	125	0.022	0.027	W61
N1588NS260	N680SH26	2600	1588	22500	2.53 x 10 ⁶	0.951	0.268	125	0.022	0.027	W61