

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	Part No. New	Old Part No.	V_{DRM}	I_{TAV}	I_{TSM}	I^2t	V_{T0}	r_T	T_{JM}	R_{thJK}		Fig. No.
			V_{RRM}	$T_K = 55^\circ C$	10 ms ½ sine $V_R \leq 60\% V_{RRM}$	@ T_{JM}	180° Sine	120° Rect.				
			V	A	A	A ² s	V	mΩ	°C	K/W	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