

Phase Control Thyristors

Product Line of

WESTCODE

An IXYS Company

Capsule Types - 19mm-100 mm diameter silicon slices.

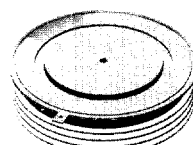
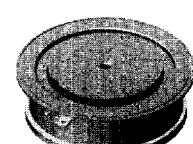
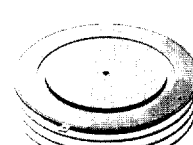
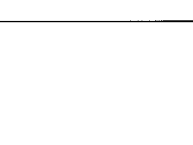
Type	V_{DRM} V_{RRM} V	I_{TAV} @ $T_J = 55^\circ\text{C}$ A	$I_{T(RMS)}$ @ $T_J = 25^\circ\text{C}$ A	I_{TSM} 10ms $V_R \leq 80\% V_{RRM}$ A	di/dt Non-Rep/Rep A/ μs	R_{thJS} K/W	V_{TO} @ $T_J = 125^\circ\text{C}$ V	r_T m Ω	Package Outline drawings see page 101-105
N320CH40-45 N500CH38-42 N570CH30-36 N360CH30-38 N390CH30-32 N620CH24-30 N680CH20-26	4000-4500 3800-4200 3000-3600 3000-3800 3000-3200 2400-3000 2000-2600	882 1159 1314 1010 1132 1436 1588	1724 2268 2576 1978 2228 2830 3138	7700 14500 16600 12100 14300 21000 22500	300/150 300/150 300/150 400/200 400/200 400/200 300/150	0.024 0.022 0.022 0.024 0.024 0.022 0.022	1.300 1.100 1.000 1.170 1.150 1.000 0.951	0.920 0.574 0.437 0.687 0.510 0.342 0.268	W11 Fig. W11 Weight 510 g 
N450CH20-26 N490CH20-26 N510CH16-20 N540CH12-18 N600CH12-16 N740CH12-16 N610CH06-10	2000-2600 2000-2600 1600-2000 1200-1800 1200-1600 1200-1600 600-1000	1297 1467 1547 1718 1802 2046 2086	2557 2912 3064 3450 3592 4141 4207	17600 21500 23280 27200 29600 29200 35000	600/300 1000/500 1000/500 1000/500 1000/500 300/150 1000/500	0.024 0.024 0.024 0.024 0.024 0.022 0.024	1.030 1.000 0.920 0.979 0.855 0.980 0.840	0.380 0.272 0.252 0.169 0.171 0.114 0.108	W11 or W11a Fig. W11a Weight 510 g 
N560CH40-45 N630CH30-36 N640CH24-30 N760CH18-22 N990CH12-16	4000-4500 3000-3600 2400-300 1800-2200 1200-1600	1351 1661 1712 2293 2500	2641 3259 3366 4571 4985	17500 23000 24500 33800 37000	300/150 300/150 300/150 300/150 300/150	0.017 0.017 0.017 0.017 0.017	1.200 1.040 1.050 0.956 0.880	0.553 0.350 0.320 0.148 0.124	W12 
N850CH30-36 N880CH24-30 N900CH20-26 N980CH16-22 N1400CH14-20 N1600CH08-12	3000-3600 2400-3000 2000-2600 1600-2200 1400-2000 800-1200	2418 2543 3012 3022 3533 4085	4757 4922 5922 5926 7052 8161	30000 32000 45100 45600 50000 64000	300/150 300/150 300/150 300/150 300/150 300/150	0.011 0.011 0.011 0.011 0.011 0.011	1.160 0.780 0.920 0.880 0.970 0.850	0.246 0.274 0.160 0.164 0.095 0.070	W13 Fig. W12 Weight 1000 g 
N1263CH45-52 N1463CH36-42 N1863CH12-28	4500-5200 3000-4200 1200-2800	3039 3476 4400	5908 6788 8670	37800 46800 54000	300/150 300/150 300/150	0.008 0.008 0.008	1.00 0.180 0.9	0.250 0.970 0.1	W14 
N1263DH45-52 N1463DH36-42	4500-5200 3000-4200	3039 3476	5908 6788	37800 46800	300/150 300/150	0.008 0.008	1.00 0.180	0.250 0.970	W19 
N1283CH45-52 N1483CH30-42 N1883CH20-28 N1983CH18-22	4500-5200 3000-4200 2000-2800 1200-2200	3764 4151 5176 5946	7317 8048 10109 11748	49500 54000 67500 72000	300/150 300/150 300/150 300/150	0.0065 0.0065 0.0065 0.0065	1.0 0.85 0.8 0.855	0.2 0.17 0.1 0.065	W15

Fig. W13
Weight 1700 g

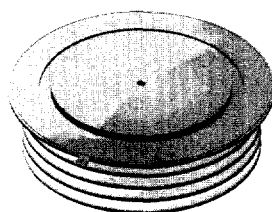


Fig. W14
Weight 1300 g

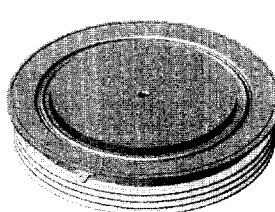


Fig. W15
Weight 2800 g

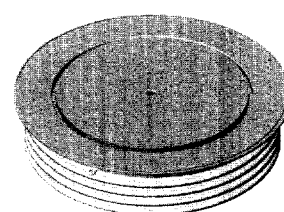
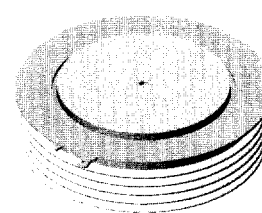


Fig. W19
Weight 1700 g



Note:

When selecting capsule outlines Fig. 9a - 101A335, Fig. 10a - 101A336 or Fig. 11a - 101A337, replace the CH in the relevant type number with SH to denote alternative housing.