

Phase Control Thyristors Capsule Types

| Part No. ○ Not for new design | 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 | $V_R - \leq 60\% V_{RRM}$ | @ T_{JM} | | 180° Sine | 120° Rect. | | | |
| | V | A | A | A ² s | V | mΩ | °C | K/W | K/W | | |
| N2418ZC300 | 3000 | 2418 | 30000 | 4.50 x 10 ⁶ | 1.160 | 0.246 | 125 | 0.0110 | 0.0119 | W13 | |
| N2418ZC360 | 3600 | 2418 | 30000 | 4.50 x 10 ⁶ | 1.160 | 0.246 | 125 | 0.0110 | 0.0119 | W13 | |
| N2418ZD300 | 3000 | 2418 | 30000 | 4.50 x 10 ⁶ | 1.160 | 0.246 | 125 | 0.0110 | 0.0119 | W46 | |
| N2418ZD360 | 3600 | 2418 | 30000 | 4.50 x 10 ⁶ | 1.160 | 0.246 | 125 | 0.0110 | 0.0119 | W46 | |
| N2500VC120 | 1200 | 2500 | 37000 | 6.85 x 10 ⁶ | 0.880 | 0.124 | 125 | 0.0170 | 0.0206 | W12 | |
| N2500VC160 | 1600 | 2500 | 37000 | 6.85 x 10 ⁶ | 0.880 | 0.124 | 125 | 0.0170 | 0.0206 | W12 | |
| N2500VF120 | 1200 | 2500 | 37000 | 6.85 x 10 ⁶ | 0.880 | 0.124 | 125 | 0.0170 | 0.0206 | W62 | |
| N2500VF160 | 1600 | 2500 | 37000 | 6.85 x 10 ⁶ | 0.880 | 0.124 | 125 | 0.0170 | 0.0206 | W62 | |
| ○ N2520ML080 | 800 | 2520 | 38200 | 7.30 x 10 ⁶ | 0.980 | 0.090 | 125 | 0.0180 | 0.0201 | WP5 | |
| ○ N2520ML120 | 1200 | 2520 | 38200 | 7.30 x 10 ⁶ | 0.980 | 0.090 | 125 | 0.0180 | 0.0201 | WP5 | |
| ○ N2520ML140 | 1400 | 2520 | 38200 | 7.30 x 10 ⁶ | 0.980 | 0.090 | 125 | 0.0180 | 0.0201 | WP5 | |
| N2543ZC240 | 2400 | 2543 | 32000 | 5.12 x 10 ⁶ | 0.780 | 0.274 | 125 | 0.0110 | 0.0119 | W13 | |
| N2543ZC300 | 3000 | 2543 | 32000 | 5.12 x 10 ⁶ | 0.780 | 0.274 | 125 | 0.0110 | 0.0119 | W13 | |
| N2543ZD240 | 2400 | 2543 | 32000 | 5.12 x 10 ⁶ | 0.780 | 0.274 | 125 | 0.0110 | 0.0119 | W46 | |
| N2543ZD300 | 3000 | 2543 | 32000 | 5.12 x 10 ⁶ | 0.780 | 0.274 | 125 | 0.0110 | 0.0119 | W46 | |
| N2593MK160 | 1600 | 2593 | 34500 | 5.95 x 10 ⁶ | 0.940 | 0.154 | 125 | 0.0140 | 0.0157 | WP3 | |
| N2593MK180 | 1800 | 2593 | 34500 | 5.95 x 10 ⁶ | 0.940 | 0.154 | 125 | 0.0140 | 0.0157 | WP3 | |
| N2600MC160 | 1600 | 2600 | 30000 | 4.50 x 10 ⁶ | 0.950 | 0.130 | 125 | 0.0150 | 0.0165 | W70 | |
| N2600MC180 | 1800 | 2600 | 30000 | 4.50 x 10 ⁶ | 0.950 | 0.130 | 125 | 0.0150 | 0.0165 | W70 | |
| N2655HA320 | 3200 | 2655 | 28400 | 4.03 x 10 ⁶ | 0.910 | 0.243 | 125 | 0.0105 | 0.0118 | W79 | |
| N2655HA360 | 3600 | 2655 | 28400 | 4.03 x 10 ⁶ | 0.910 | 0.243 | 125 | 0.0105 | 0.0118 | W79 | |
| N2825TE420 | 4200 | 2825 | 36900 | 6.81 x 10 ⁶ | 1.210 | 0.270 | 125 | 0.0080 | 0.0085 | W82 | |
| N2825TE450 | 4500 | 2825 | 36900 | 6.81 x 10 ⁶ | 1.210 | 0.270 | 125 | 0.0080 | 0.0085 | W82 | |
| N2825TJ420 | 4200 | 2825 | 36900 | 6.81 x 10 ⁶ | 1.210 | 0.270 | 125 | 0.0080 | 0.0085 | W81 | |
| N2825TJ450 | 4500 | 2825 | 36900 | 6.81 x 10 ⁶ | 1.210 | 0.270 | 125 | 0.0080 | 0.0085 | W81 | |
| N2830HE260 | 2600 | 2830 | 36000 | 6.48 x 10 ⁶ | 0.930 | 0.150 | 125 | 0.0125 | 0.0138 | W80 | |
| N2830HE280 | 2800 | 2830 | 36000 | 6.48 x 10 ⁶ | 0.930 | 0.150 | 125 | 0.0125 | 0.0138 | W80 | |
| ○ N2900QL020 | 200 | 2900 | 28000 | 3.92 x 10 ⁶ | 0.850 | 0.080 | 150 | 0.0230 | 0.0272 | WP6 | |
| ○ N2900QL040 | 400 | 2900 | 28000 | 3.92 x 10 ⁶ | 0.850 | 0.080 | 150 | 0.0230 | 0.0272 | WP6 | |
| ○ N2900QL060 | 600 | 2900 | 28000 | 3.92 x 10 ⁶ | 0.850 | 0.080 | 150 | 0.0230 | 0.0272 | WP6 | |
| N3012ZC200 | 2000 | 3012 | 45100 | 10.2 x 10 ⁶ | 0.920 | 0.160 | 125 | 0.0110 | 0.0119 | W13 | |
| N3012ZC260 | 2600 | 3012 | 45100 | 10.2 x 10 ⁶ | 0.920 | 0.160 | 125 | 0.0110 | 0.0119 | W13 | |
| N3012ZD200 | 2000 | 3012 | 45100 | 10.2 x 10 ⁶ | 0.920 | 0.160 | 125 | 0.0110 | 0.0119 | W46 | |
| N3012ZD260 | 2600 | 3012 | 45100 | 10.2 x 10 ⁶ | 0.920 | 0.160 | 125 | 0.0110 | 0.0119 | W46 | |
| N3022MK080 | 800 | 3022 | 38200 | 7.30 x 10 ⁶ | 0.981 | 0.090 | 125 | 0.0140 | 0.0157 | WP3 | |
| N3022MK120 | 1200 | 3022 | 38200 | 7.30 x 10 ⁶ | 0.981 | 0.090 | 125 | 0.0140 | 0.0157 | WP3 | |
| N3022MK140 | 1400 | 3022 | 38200 | 7.30 x 10 ⁶ | 0.981 | 0.090 | 125 | 0.0140 | 0.0157 | WP3 | |
| N3029ZC240 | 2400 | 3029 | 38200 | 7.30 x 10 ⁶ | 0.947 | 0.154 | 125 | 0.0110 | 0.0119 | W13 | |
| N3029ZC280 | 2800 | 3029 | 38200 | 7.30 x 10 ⁶ | 0.947 | 0.154 | 125 | 0.0110 | 0.0119 | W13 | |
| N3029ZD240 | 2400 | 3029 | 38200 | 7.30 x 10 ⁶ | 0.947 | 0.154 | 125 | 0.0110 | 0.0119 | W46 | |
| N3029ZD280 | 2800 | 3029 | 38200 | 7.30 x 10 ⁶ | 0.947 | 0.154 | 125 | 0.0110 | 0.0119 | W46 | |
| N3165HA260 | 2600 | 3165 | 36000 | 6.48 x 10 ⁶ | 0.930 | 0.150 | 125 | 0.0105 | 0.0118 | W79 | |
| N3165HA280 | 2800 | 3165 | 36000 | 6.48 x 10 ⁶ | 0.930 | 0.150 | 125 | 0.0105 | 0.0118 | W79 | |
| N3175HE160 | 1600 | 3175 | 45500 | 10.40 x 10 ⁶ | 0.900 | 0.110 | 125 | 0.0125 | 0.0138 | W80 | |
| N3175HE180 | 1800 | 3175 | 45500 | 10.40 x 10 ⁶ | 0.900 | 0.110 | 125 | 0.0125 | 0.0138 | W80 | |