

Maximum ratings ($T_A = 85^\circ\text{C}$)

| Type | Ordering code | Operating voltage | | Surge current | Energy absorption | Power dissipation |
|-----------------|-------------------|-------------------|-----------------|--|----------------------------|-------------------|
| | | V_{RMS} | V_{DC} | I_{max} 8/20 μs | W_{max} (2 ms) | P_{max} |
| | | V | V | A | J | W |
| SIOV-CN0805M4G | Q69510-V0040-M062 | 4 | 5,5 | 80 | 0,1 | 0,005 |
| SIOV-CN1206M4G | Q69520-V0040-M062 | 4 | 5,5 | 100 | 0,2 | 0,008 |
| SIOV-CN1210M4G | Q69530-V0040-M062 | 4 | 5,5 | 250 | 0,4 | 0,01 |
| SIOV-CN1812M4G | Q69580-V0040-M062 | 4 | 5,5 | 500 | 0,7 | 0,015 |
| SIOV-CN2220M4G | Q69540-V0040-M062 | 4 | 5,5 | 1000 | 1,4 | 0,02 |
| SIOV-CN0805M6G | Q69510-V0060-M062 | 6 | 8 | 80 | 0,1 | 0,005 |
| SIOV-CN1206M6G | Q69520-V0060-M062 | 6 | 8 | 100 | 0,2 | 0,008 |
| SIOV-CN1210M6G | Q69530-V0060-M062 | 6 | 8 | 250 | 0,5 | 0,01 |
| SIOV-CN1812M6G | Q69580-V0060-M062 | 6 | 8 | 500 | 0,9 | 0,015 |
| SIOV-CN2220M6G | Q69540-V0060-M062 | 6 | 8 | 1000 | 1,6 | 0,02 |
| SIOV-CN0805L8G | Q69510-V0080-L062 | 8 | 11 | 80 | 0,1 | 0,005 |
| SIOV-CN1206L8G | Q69520-V0080-L062 | 8 | 11 | 100 | 0,2 | 0,008 |
| SIOV-CN1210L8G | Q69530-V0080-L062 | 8 | 11 | 250 | 0,6 | 0,01 |
| SIOV-CN1812L8G | Q69580-V0080-L062 | 8 | 11 | 500 | 1,2 | 0,015 |
| SIOV-CN2220L8G | Q69540-V0080-L062 | 8 | 11 | 1000 | 2,1 | 0,02 |
| SIOV-CN0805K11G | Q69510-V0110-K062 | 11 | 14 | 80 | 0,1 | 0,005 |
| SIOV-CN1206K11G | Q69520-V0110-K062 | 11 | 14 | 100 | 0,3 | 0,008 |
| SIOV-CN1210K11G | Q69530-V0110-K062 | 11 | 14 | 250 | 0,7 | 0,01 |
| SIOV-CN1812K11G | Q69580-V0110-K062 | 11 | 14 | 500 | 1,4 | 0,015 |
| SIOV-CN2220K11G | Q69540-V0110-K062 | 11 | 14 | 1000 | 2,7 | 0,02 |
| SIOV-CN0805K14G | Q69510-V0140-K062 | 14 | 18 | 80 | 0,2 | 0,005 |
| SIOV-CN1206K14G | Q69520-V0140-K062 | 14 | 18 | 100 | 0,3 | 0,008 |
| SIOV-CN1210K14G | Q69530-V0140-K062 | 14 | 18 | 250 | 0,8 | 0,01 |
| SIOV-CN1812K14G | Q69580-V0140-K062 | 14 | 18 | 500 | 1,7 | 0,015 |
| SIOV-CN2220K14G | Q69540-V0140-K062 | 14 | 18 | 1000 | 3,1 | 0,02 |
| SIOV-CN1206K17G | Q69520-V0170-K062 | 17 | 22 | 100 | 0,4 | 0,008 |
| SIOV-CN1210K17G | Q69530-V0170-K062 | 17 | 22 | 250 | 1,0 | 0,01 |
| SIOV-CN1812K17G | Q69580-V0170-K062 | 17 | 22 | 500 | 2,0 | 0,015 |
| SIOV-CN2220K17G | Q69540-V0170-K062 | 17 | 22 | 1000 | 3,8 | 0,02 |



4 ... 17 V_{RMS}
5,5 ... 22 V_{DC}

Characteristics ($T_A = 25^\circ\text{C}$)

| Varistor voltage V_V (1 mA) V | Tolerance ΔV_V (1 mA) % | Max. clamping voltage | | Capacitance typ. C (1 kHz) pF | Derating curves Page | V/I characteristic Page |
|--|--|-----------------------|--------|---|----------------------------|-------------------------------|
| | | v V | i A | | | |
| 8 | M = ± 20 | 19 | 1 | 700 | 10 | 14 |
| 8 | M = ± 20 | 17 | 1 | 1500 | 10 | 15 |
| 8 | M = ± 20 | 17 | 2,5 | 5000 | 11 | 16 |
| 8 | M = ± 20 | 17 | 5 | 10000 | 12 | 17 |
| 8 | M = ± 20 | 17 | 10 | 24000 | 13 | 18 |
| 11 | M = ± 20 | 27 | 1 | 600 | 10 | 14 |
| 11 | M = ± 20 | 25 | 1 | 1200 | 10 | 15 |
| 11 | M = ± 20 | 25 | 2,5 | 4000 | 11 | 16 |
| 11 | M = ± 20 | 25 | 5 | 8000 | 12 | 17 |
| 11 | M = ± 20 | 25 | 10 | 20000 | 13 | 18 |
| 15 | L = ± 15 | 33 | 1 | 500 | 10 | 14 |
| 15 | L = ± 15 | 30 | 1 | 1000 | 10 | 15 |
| 15 | L = ± 15 | 30 | 2,5 | 3000 | 11 | 16 |
| 15 | L = ± 15 | 30 | 5 | 6000 | 12 | 17 |
| 15 | L = ± 15 | 30 | 10 | 16000 | 13 | 18 |
| 18 | K = ± 10 | 35 | 1 | 400 | 10 | 14 |
| 18 | K = ± 10 | 33 | 1 | 800 | 10 | 15 |
| 18 | K = ± 10 | 33 | 2,5 | 2400 | 11 | 16 |
| 18 | K = ± 10 | 33 | 5 | 5000 | 12 | 17 |
| 18 | K = ± 10 | 33 | 10 | 12000 | 13 | 18 |
| 22 | K = ± 10 | 40 | 1 | 350 | 10 | 14 |
| 22 | K = ± 10 | 38 | 1 | 700 | 10 | 15 |
| 22 | K = ± 10 | 38 | 2,5 | 2000 | 11 | 16 |
| 22 | K = ± 10 | 38 | 5 | 4500 | 12 | 17 |
| 22 | K = ± 10 | 38 | 10 | 10000 | 13 | 18 |
| 27 | K = ± 10 | 44 | 1 | 650 | 10 | 15 |
| 27 | K = ± 10 | 44 | 2,5 | 1800 | 11 | 16 |
| 27 | K = ± 10 | 44 | 5 | 4000 | 12 | 17 |
| 27 | K = ± 10 | 44 | 10 | 9000 | 13 | 18 |