

| TCE Type | Maximum Ratings | | | | | Operating Characteristics | | | | | | | | | | Out. No. |
|----------|---|------------------------------------|---|--|--|--|---------------------------------------|----------------------------------|-----------------|-----------------|-----------------|--------------------------------|---|---|-------|----------|
| | Repetitive Peak Off-State Voltage V_{DRM} V | On-State RMS Current I_T A | Peak Non-Repetitive Surge Current I_{TSM} A | Peak Forward Gate Current I_{GM} A | Peak Reverse Gate Voltage V_{GM} V | On-State Voltage (either direction) V_{TM} V | Gate Trigger Voltage V_{GT} V | Gate Trigger Current by Quadrant | | | | Holding Current I_H mA | Critical Rate of Rise of Off-State Voltage dv/dt V/ μ S | Gate-Controlled Turn-on Time t_{gt} μ S | | |
| | | | | | | | | I | II | III | IV | | | | | |
| | | | | | | | | I_{GT1} mA | I_{GT2} mA | I_{GT3} mA | I_{GT4} mA | | | | | |
| SK3506 | 400 | 2.5 | 25 | ..... | ..... | 2.2 | 0.9 | 5 | 10 | 5 | 10 | 6 | 100 | 1.8 | S-017 | |
| SK3507 | 400 | 15 | 100 | ..... | ..... | 1.6 | 1 | 15 | 35 | 15 | 35 | 15 | 40 | 3 | S-012 | |
| SK3508 | 400 | 15 | 100 | ..... | ..... | 1.4 | 1 | 20 | 35 | 20 | 35 | 20 | 100 | 1.6 | S-015 | |
| SK3509 | 400 | 40 | 300 | ..... | ..... | 1.7 | 1.35 | 15 | 30 | 20 | 40 | 25 | 30 | 1.7 | S-015 | |
| SK3519 | 600 | 2.5 | 25 | ..... | ..... | 2.2 | 0.9 | 5 | 10 | 5 | 10 | 6 | 100 | 1.8 | S-017 | |
| SK3520 | 600 | 30 | 300 | ..... | ..... | ..... | 2.5 | 50 Max | 80 Max | 50 Max | 80 Max | ..... | 10 | ..... | S-050 | |
| SK3520A | 600 | 25 | 250 | 2 | ..... | 1.58 | 2.5 | 50 | 50 | 50 | 50 | 75 | 5 Min | ..... | S-050 | |
| SK3521 | 600 | 30 | 300 | ..... | ..... | 2.1 | 1.35 | 15 | 30 | 20 | 40 | 25 | 100 | 1.7 | S-015 | |
| SK3522 | 600 | 40 | 300 | ..... | ..... | 1.7 | 1.35 | 15 | 30 | 20 | 40 | 25 | 100 | 1.7 | S-015 | |
| SK3533 | 400 | 15 Max | 150 | ..... | ..... | 1.6 Max | ..... | 50 Max | 50 Max | 50 Max | 75 Typ | ..... | 300 | 4 | S-014 | |
| SK3583 | 200 | 2.5 | 25 | ..... | ..... | 2.2 | 0.9 | 5 | 10 | 5 | 10 | 6 | 100 | 1.8 | S-017 | |
| SK3631 | 100 | 10 | 100 | 2 | ..... | 1.3 | 0.9 | 50 Max | 75 Max | 50 Max | 75 Max | 50 Max | 5 | 1.5 | S-019 | |
| SK3632 | 200 | 10 | 100 | 2 | ..... | 1.3 | 0.9 | 50 Max | 75 Max | 50 Max | 75 Max | 50 Max | 5 | 1.5 | S-019 | |
| SK3633 | 400 | 10 | 100 | 2 | ..... | 1.3 | 0.9 | 50 Max | 75 Max | 50 Max | 75 Max | 50 Max | 5 | 1.5 | S-051 | |
| SK3652 | 200 | 40 | 300 | ..... | ..... | 1.7 | 1.35 | 15 | 30 | 40 | 20 | 25 | 200 | 1.7 | S-015 | |
| SK3658 | 200 | 15 | 150 | ..... | ..... | 1.3 | 0.9 | 50 Max | 75 Max | 50 Max | 75 Max | 6 | 5 | 1.5 | S-014 | |
| SK3659 | 400 | 15 | 150 | ..... | ..... | 1.6 Max | 2 Max | 50 Max | 75 Max | 50 Max | 75 Max | 40 Max | 5 | 1.5 | S-014 | |
| SK3660 | 600 | 15 | 150 | ..... | ..... | 1.3 | 0.9 | 50 Max | 75 Max | 50 Max | 75 Max | 6 | 5 | 1.5 | S-014 | |
| SK3661 | 200 | 40 | 300 | ..... | ..... | 1.7 | 1.35 | 15 | 30 | 20 | 40 | 25 | 200 | 1.7 | S-021 | |
| SK3662 | 400 | 40 | 300 | ..... | ..... | 1.7 | 1.35-2.5 | 15 | 30 | 20 | 40 | 25 | 150 | 1.7 | S-021 | |
| SK3663 | 600 | 40 | 300 | ..... | ..... | 1.7 | 1.35 | 15 | 30 | 20 | 40 | 25 | 30 | 1.7 | S-021 | |
| SK3664 | 100 | 4 | 30 | ..... | 5 | 2 Max | 1.4 | 30 | 0 | 30 | 0 | 30 Max | 5 | 1.5 | S-022 | |
| SK3665 | 200 | 4 | 30 | ..... | 5 | 2 Max | 1.4 | 30 | 0 | 30 | 0 | 30 Max | 5 | 1.5 | S-022 | |
| SK3666 | 400 | 4 | 30 | ..... | 5 | 2 Max | 1.4 | 30 | 0 | 30 | 0 | 30 Max | 5 | 1.5 | S-022 | |
| SK3937 | 100 | 15 | 150 | ..... | ..... | 1.6 | ..... | 50 Max | 50 Max | 50 Max | 75 Typ | ..... | 300 Min | 4 | S-014 | |
| SK3938 | 200 | 16 | 150 | ..... | ..... | 1.4 | 1.25 | 25 | 45 | 25 | 45 | 15 | 300 | 1.6 | S-014 | |
| SK3993 | 400 | 25 | 250 | ..... | ..... | 1.8 Max | 2.5 Max | 80 Max | 80 Max | 80 Max | 100 Typ | 80 Max | 75 Min | 3 Max | S-025 | |
| SK4918 | 400 | 4 Max | 40 | ..... | ..... | 1.6 Max | 2 Max | 3 Max | 3 Max | 3 Max | 3 Max | 5 Max | 10 Min | 3 Max | S-045 | |
| SK5131 | 50 | 16 | 150 | ..... | ..... | 1.4 | 1.25 | 25 | 45 | 25 | 45 | 15 | 300 | 1.6 | S-014 | |
| SK5137 | 600 | 16 | 150 | ..... | ..... | 1.7 | 2.5 | 50 | ..... | ..... | ..... | ..... | 60 | 1.6 | S-014 | |
| SK5173 | 200 | 15 | 100 | 2 | 20 | 1.3 | 2.5 Max | 50 Max | 80 Max | 50 Max | 80 Max | 75 Max | 150 | 1 | S-015 | |
| SK5538 | 400 | 8 | 100 | ..... | ..... | 1.7 | 1.25 | 20 | 20 | 15 | 30 | 15 | 250 | 1.6 | S-014 | |
| SK5545 | 600 | 10 Max | 120 | ..... | ..... | 1.6 Max | 2.5 Max | 50 Max | 50 Max | 50 Max | 75 Typ | 50 Max | 60 Min | 3 Max | S-014 | |
| SK5550 | 100 | 2.5 | 25 | ..... | ..... | 1.7 | 1 | 1 | 2 | 1 | 2 | 2 | 5 | 1.8 | S-017 | |
| SK5551 | 200 | 2.5 | 25 | ..... | ..... | 1.7 | 1 | 1 | 2 | 1 | 2 | 2 | 5 | 1.8 | S-017 | |
| SK5552 | 400 | 2.5 | 25 | ..... | ..... | 1.7 | 1 | 1 | 2 | 1 | 2 | 2 | 5 | 1.8 | S-017 | |
| SK5555 | 200 | 0.8 | 8 | 1 | 5 | 1.5 Max | 2 Max | 5 | 5 | 5 | ..... | 10 Max | 25 | 2.5 | S-031 | |
| SK5556 | 400 | 0.6 | 8 | 1 | 5 | 1.9 Max | 2 Max | 5 | 5 | 5 | 7 | 10 Max | 25 | 2 | S-031 | |
| SK5557 | 600 | 0.6 | 8 | 1 | 5 | 1.9 Max | 2 Max | 5 | 5 | 5 | 7 | 10 Max | 25 | 2 | S-031 | |
| SK5579 | 600 | 40 Max | 300 | ..... | ..... | 1.8 Max | 2.5 Max | 100 Max | 100 Max | 100 Max | 135 Typ | 100 Max | 60 Min | 4 Max | S-025 | |
| SK5588 | 200 | 40 | 300 | 4 | 30 | 1.65 | 2 Max | 70 Max | 70 Max | 70 Max | 100 Max | 70 Max | 50 Min | 1 | S-049 | |
| SK5589 | 400 | 40 | 300 | 4 | 30 | 1.65 | 2 Max | 70 Max | 70 Max | 70 Max | 100 Max | 70 Max | 30 Min | 1 | S-049 | |
| SK5590 | 600 | 40 | 300 | 4 | 30 | 1.65 | 2 Max | 70 Max | 70 Max | 70 Max | 100 Max | 70 Max | 20 Min | 1 | S-033 | |
| SK5704 | 400 | 25 | 175 | 1 | ..... | 1.7 Max | ..... | ..... | ..... | ..... | ..... | 50 Max | ..... | ..... | S-034 | |
| SK6601 | 50 | 4 | 30 | ..... | 5 | 2 Max | ..... | ..... | ..... | ..... | ..... | 70 Max | ..... | 1.5 | S-022 | |
| SK6607 | 600 | 4 | 30 | ..... | 5 | 2 Max | ..... | ..... | ..... | ..... | ..... | 30 Max | ..... | 1.5 | S-022 | |
| SK6630 | 50 | 10 | 100 | 2 | ..... | 1.3 | 0.9 | 50 Max | 75 Max | 50 Max | 75 Max | 50 Max | ..... | 1.5 | S-019 | |
| SK6681 | 50 | 30 | 300 | ..... | ..... | 2.1 | 1.35 | 15 | 30 | 20 | 40 | 25 | 200 | 1.7 | S-015 | |
| SK6682 | 100 | 30 | 300 | ..... | ..... | 2.1 | 1.35 | 15 | 20 | 30 | 40 | 25 | 200 | 1.7 | S-015 | |
| SK6683 | 200 | 30 | 300 | ..... | ..... | 2.1 | 1.35 | 15 | 30 | 20 | 40 | 25 | 200 | 1.7 | S-015 | |
| SK6685 | 400 | 30 | 300 | ..... | ..... | 2.1 | 1.35 | 15 | 30 | 20 | 40 | 25 | 150 | 1.7 | S-015 | |
| SK6707 | 200 | 8 | 100 | ..... | ..... | 1.7 | 1.25 | 10 | 20 | 15 | 30 | 15 | 300 | 1.6 | S-014 | |
| SK6708 | 400 | 8 | 100 | ..... | ..... | 1.7 | 1.25 | 10 | 20 | 15 | 30 | 15 | 250 | 1.6 | S-014 | |
| SK6709 | 600 | 8 | 100 | ..... | ..... | 1.7 | 1.25 | 10 | 20 | 15 | 30 | 15 | 200 | 1.6 | S-014 | |
| SK6740 | 100 | 1.9 | 25 | ..... | ..... | 1.7 | 1 | 1 | 2 | 1 | 2 | 2 | 5 | 1.8 | S-017 | |
| SK9711 | 600 | 10 Max | 120 | ..... | ..... | 1.6 Max | ..... | ..... | ..... | ..... | ..... | 60 Max | 175 Min | 3 Max | T-096 | |
| SK9808 | 400 | 25 Max | 250 | ..... | ..... | 1.8 Max | 2.5 Max | 80 Max | 80 Max | 80 Max | ..... | 80 Max | 375 Min | 4 Max | T-104 | |
| SK9830 | 600 | 25 Max | 250 | ..... | ..... | 1.8 Max | 2.5 Max | 80 Max | 80 Max | 80 Max | ..... | 80 Max | 300 Min | 4 Max | S-128 | |
| SK10265 | 800 | 15 | 150 | ..... | 10 | 1.3 | ..... | 0.9 | 0.9 | 1.1 | 1.4 | 6 | 5 | 1.5 | S-128 | |