

## Gate Turn-Off Thyristors

### Anode Short Type

|                    |                        | → Peak Off State Voltage |           |           |                          |             |                             | C2         |
|--------------------|------------------------|--------------------------|-----------|-----------|--------------------------|-------------|-----------------------------|------------|
| Turn-Off Current ↓ | $I_{TQGM}$ \ $V_{ORM}$ | 1300V                    | 1600V     | 1800V     | 2500V                    | 3300V       | 4500V                       | 6000V      |
|                    | 600A                   |                          |           |           |                          |             | SG600GXH26                  |            |
|                    | 800A                   | SG800R24                 | SG800U24  | SG800W24  |                          |             | SG800GXH24                  |            |
|                    | 1000A                  |                          |           |           |                          |             | SG1000GXH26                 |            |
|                    | 1200A                  |                          |           |           | SG1200EX24               |             |                             |            |
|                    | 1500A                  |                          |           |           | SG1500EX24               |             |                             |            |
|                    | 2000A                  | SG2000R24                | SG2000U24 | SG2000W24 | SG2000EX24<br>SG2000EX26 |             | SG2000GXH26                 |            |
|                    | 2200A                  |                          |           |           |                          | SG2200FXF24 | SG2200GXH24                 |            |
|                    | 2500A                  |                          |           |           | SG2500EX24               |             | SG2500GXH24                 |            |
|                    | 3000A                  |                          |           |           | SG3000EX24               |             | SG3000GXH24<br>SG3000GXH24G | SG3000JX24 |
|                    | 4000A                  |                          |           |           |                          |             | SG4000GXH26G<br>SG4000GXH26 | SG4000JX26 |

### Symmetrical Type

|                    |                        | → Peak Off State Voltage |             | C2 |
|--------------------|------------------------|--------------------------|-------------|----|
| Turn-Off Current ↓ | $I_{TQGM}$ \ $V_{ORM}$ | 2500V                    | 4500V       |    |
|                    | 800                    | SG800EX25*               | SG800GXH25  |    |
|                    | 1400                   | SG1400EX25*              |             |    |
|                    | 1500                   |                          | SG1500GXH25 |    |
|                    | 3000                   |                          | SG3000GXH25 |    |

\* under development

### Reverse Conducting Type

| C2           |                             |           |
|--------------|-----------------------------|-----------|
| Type No.     | $I_{TQGM}$                  | $V_{ORM}$ |
| SGR3000EX26  | 3000A<br>( $C_s=5.0\mu F$ ) | 2500V     |
| SGR3000GXH26 | 3000A<br>( $C_s=3.5\mu F$ ) | 4500V     |

### Reverse Conducting Thyristor

|                            |                        | → Peak Off State Voltage |  | C2 |
|----------------------------|------------------------|--------------------------|--|----|
| Average On-state Current ↓ | $I_{TQGM}$ \ $V_{ORM}$ | 1300V                    |  |    |
|                            | 400A                   | SHR400R22                |  |    |

### Light Triggered Thyristor

|                            |                        | → Peak Off-State and Reverse Voltage |            | C2 |
|----------------------------|------------------------|--------------------------------------|------------|----|
| Average On-state Current ↓ | $I_{TQGM}$ \ $V_{ORM}$ | 4000V                                | 6000V      |    |
|                            | 1500A                  | SL1500GX22                           |            |    |
|                            | 2500A                  |                                      | SL2500JX21 |    |
|                            | 3000A                  | SL3000GX22                           |            |    |