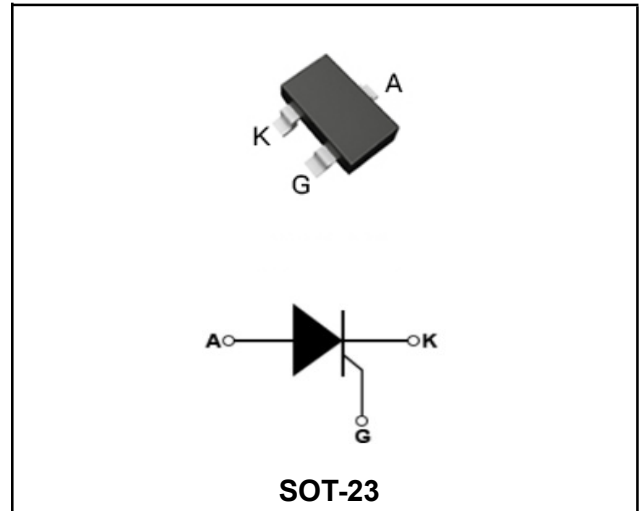


0.8A Sensitive Gate SCRs

Product Summary

| Symbol | Value | Unit |
|---------------------|---------|------|
| $I_{T(RMS)}$ | 0.8 | A |
| V_{DRM} V_{RRM} | 400/600 | V |
| V_{TM} | 1.7 | V |

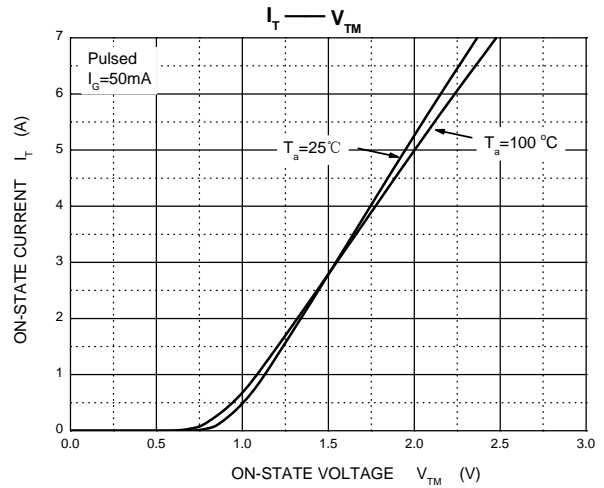
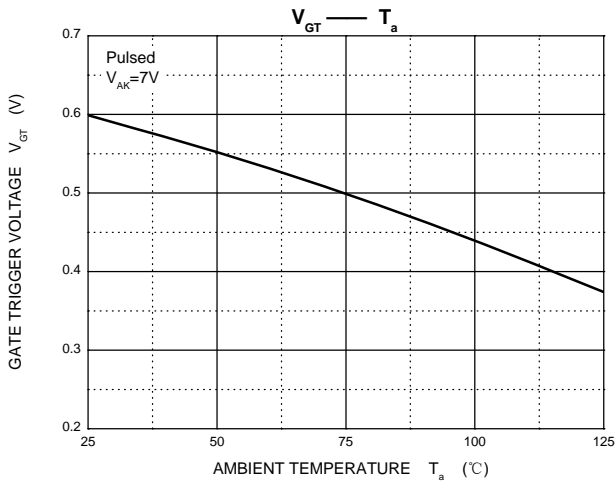
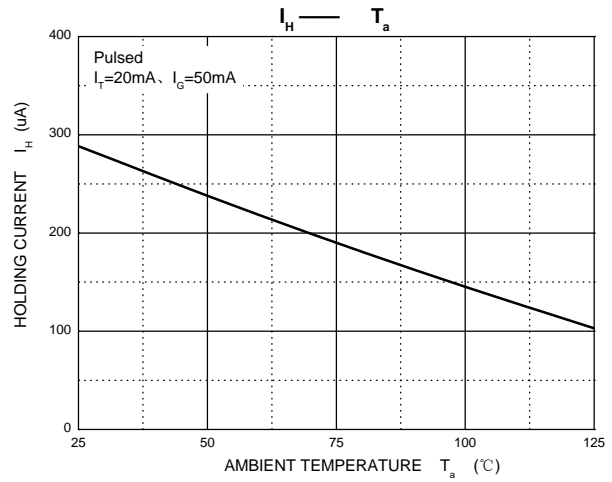
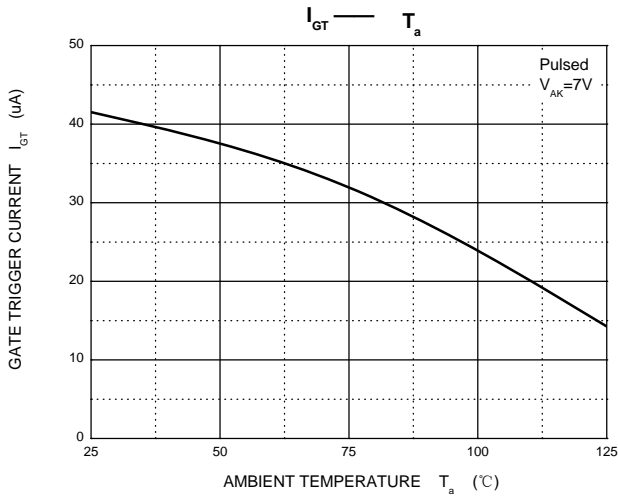


ELECTRICAL CHARACTERISTICS (Ta=25 °C unless otherwise specified)

| Parameter | Symbol | Test conditions | Min | Max | Unit | |
|--|-------------------------------|--|------------|-----|---------|---------|
| On state voltage | V_{TM}^* | $I_{TM}=1A$ | | 1.7 | V | |
| Gate trigger voltage | V_{GT} | $V_{AK}=7V$ | | 0.8 | V | |
| Peak Repetitive forward and reverse blocking voltage | V_{DRM} AND V_{RRM} | $I_{DRM}= 10 \mu A$ | 400 600 | | V | |
| Peak forward or reverse blocking Current | I_{DRM} I_{RRM} | $V_{AK} = \text{Rated } V_{DRM} \text{ or } V_{RRM}$ | | 10 | μA | |
| Holding current | I_H | $I_{HL}= 20mA, V_{AK} = 7 V$ | | 5 | mA | |
| Gate trigger current | I_{GT} | $V_{AK}=7V$ | A2 | 5 | 15 | μA |
| | | | A1 | 15 | 30 | μA |
| | | | A | 30 | 80 | μA |
| | | | B | 80 | 200 | μA |
| Junction Temperature | T_J | | -55+150 | | °C | |
| Storage Temperature | T_{STG} | | -55+150 | | °C | |

* Forward current applied for 1 ms maximum duration, duty cycle $\leq 1\%$.

Typical Characteristics



Ordering information

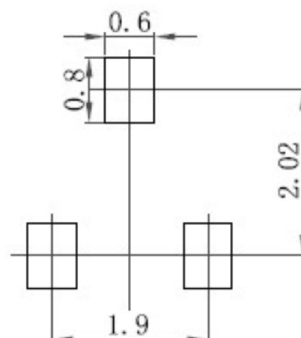
| Package | Packing Description | Base Quantity | Packing Quantity |
|---------|---------------------|---------------|-------------------------------|
| SOT-23 | Tape/Reel,7"reel | 3000pcs/Reel | 24000PCS/Box 120000PCS/Carton |

Package Dimensions

SOT-23

| Dim. | Millimeter (mm) | | mil | |
|------|-----------------|------|------|------|
| | Min. | Max. | Min. | Max. |
| A | 0.9 | 1.15 | 35 | 45 |
| A1 | 0.1 | | 3.9 | |
| bp | 0.38 | 0.48 | 15 | 19 |
| C | 0.09 | 0.15 | 3.54 | 5.9 |
| D | 2.8 | 3.0 | 110 | 118 |
| E | 1.2 | 1.4 | 47 | 55 |
| E | 1.9 | | 75 | |
| E1 | 0.95 | | 37 | |
| HE | 2.1 | 2.55 | 83 | 100 |
| Lp | 0.15 | 0.45 | 5.9 | 18 |
| Q | 0.45 | 0.55 | 18 | 22 |
| v | 0.2 | | 7.9 | |
| W | 0.1 | | 4 | |

The recommended mounting pad size



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