

\*absolute maximum ratings at (or below) 100°C case temperature (unless otherwise noted)

<u>\_\_\_\_</u>

400	Y
4.50	
.400	Y
350	ma
20	٥
20	α
5	V
250	ma
-65 to +150	°C
-65 to -i-150	°C
230	1°C
	20 20 5 250 -65 to +150 -65 to -+150

- NOTES: 1. These values apply when the gate-cathode resistance  $R_{\rm GK} \leq 1\,k\,\Omega$  .
  - 2. These values apply when the gate-cathode resistance  ${\rm R}_{\rm GK} \geq 1~{\rm k}\Omega$  .
  - 3. This value applies for continuous d-c operation with resistive load. Above 100°C derate according to Figure 1.
  - 4. This value applies for square-wave pulses, PRR  $\geq$  60 pps, duty cycle  $\leq$  0.1%, when the device is operating at (or below) rated values of peak reverse blocking voltage and anode forward current.
  - 5. This value applies for one 200-usec square wave when the device is operating at (or below) rated values of peak reverse blocking voltage and anode forward current. Surge may be repeated after the device has returned to original thermal equilibrium.

\*Indicates JEDEC registered data.

## \*electrical characteristics at 25°C case temperature (unless otherwise noted)

	PARAMETER	T	TEST CONDITIONS		MAX	UNIT
IFR	Static Anode Forward	$V_F = Rated V_{FR}$	$R_{GK} = 1 k \Omega$		10	μα
	Blocking Current	$V_F = Rated V_{FR}$	$R_{GK} = 1 k \Omega, T_{C} = 125^{\circ}C$		100	μα
I <sub>RR</sub>	Static Anode Reverse	$V_R = Rated V_{RR}$	$R_{GK} = 1 k \Omega$		10	μα
	Blocking Current	$V_R = Rated V_{RR}$	$R_{GK} = 1 k \Omega$ , $T_C = 125$ °C		100	μa
IGR	Gate Reverse Current	$V_{GR} = 2 Y_{,}$	$I_{A} = 0$		10	μα
IGT	Gate Trigger Current	$V_{AA} = 5 v$ ,	$R_L = 100 \Omega$ , $PW_G \ge 10 \mu sec$		200	μ <b>α</b> .
VGT	Gate Trigger Voltage	VAA == 5 V,	$R_L = 100 \Omega$ , $PW_G \ge 10 \mu sec$	0.4	0.8	v
IH	Holding Current	$V_{AA} = 5 v_{c}$	l <sub>G</sub> = -150 μα		5	ma
٧ <sub>F</sub>	Forward Voltage	$l_F = 0.2 a$	R <sub>GK</sub> 2 1 k Ω, See Note 6	1	1.5	Y



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