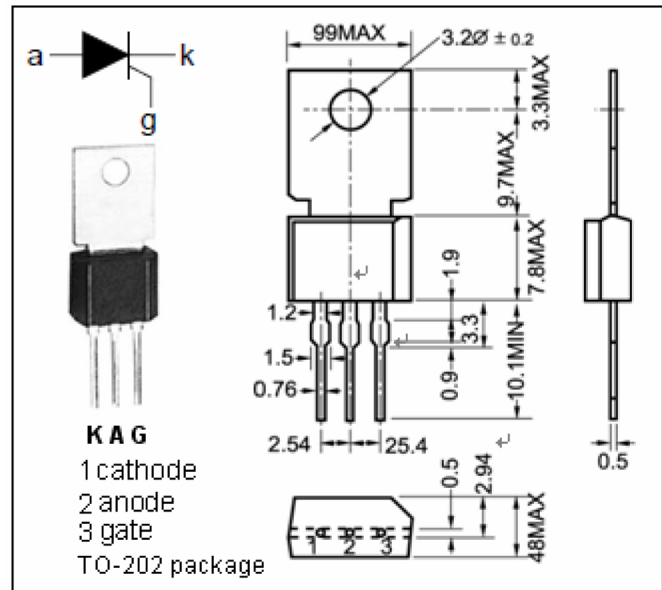


### APPLICATIONS

- Highly sensitive triggering levels
- For capacitive discharge ignitions, motor control in kitchen aids, overvoltage crowbar protection in low power supplies applications.



### ABSOLUTE MAXIMUM RATINGS( $T_a=25^\circ\text{C}$ )

SYMBOL	PARAMETER	MIN	UNIT
$V_{\text{DRM}}$	Repetitive peak off-state voltage	600	V
$V_{\text{RRM}}$	Repetitive peak reverse voltage	600	V
$I_{\text{T(AV)}}$	On-state current $180^\circ$ conduction angle	4	A
$I_{\text{TSM}}$	Non-repetitive surge peak on-state current $t = 20\text{ms}$	20	A
$P_{\text{G(AV)}}$	Average gate power dissipation $T_j = 125^\circ\text{C}$	0.2	W
$T_j$	Junction temperature	125	
$T_{\text{stg}}$	Storage temperature	-40 to + 150	$^\circ\text{C}$

### ELECTRICAL CHARACTERISTICS ( $T_c=25^\circ\text{C}$ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$I_{\text{RRM}}$	Repetitive peak reverse current	$V_{\text{RM}}=V_{\text{RRM}}, R_{\text{GK}}=1\text{k}\Omega$ $V_{\text{RM}}=V_{\text{RRM}}, R_{\text{GK}}=1\text{k}\Omega, T_j=125^\circ\text{C}$		5 500	$\mu\text{A}$
$I_{\text{DRM}}$	Repetitive peak off-state current	$V_{\text{DM}}=V_{\text{DRM}}, R_{\text{GK}}=1\text{k}\Omega$ $V_{\text{DM}}=V_{\text{DRM}}, R_{\text{GK}}=1\text{k}\Omega, T_j=125^\circ\text{C}$		5 500	$\mu\text{A}$
$V_{\text{TM}}$	On-state voltage	$I_{\text{TM}}= 4\text{A}$		1.7	V
$I_{\text{GT}}$	Gate-trigger current	$V_{\text{DM}}=12\text{V}; R_{\text{L}}=140\Omega$	20	50	$\mu\text{A}$
$V_{\text{GT}}$	Gate-trigger voltage	$V_{\text{DM}}=12\text{V}; R_{\text{L}}=140\Omega$		0.8	V
$I_{\text{H}}$	Holding current	$I_{\text{T}}= 0.05\text{A}$		5	mA