

X0405MF



KAG

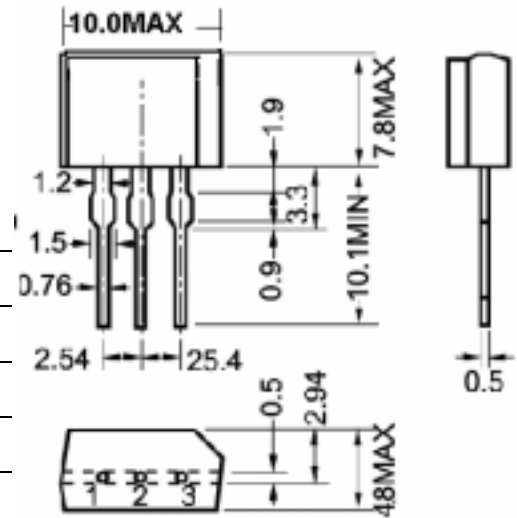
◆ Features

- With TO-202(3) package
- 1 cathode 2 anode 3 gate
- Highly sensitive triggering levels
- For capacitive discharge ignitions, motor control
In kitchen aids ,etc, applications

◆ QUICK REFERENCE DATA

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	600	V
V_{RRM}	Repetitive peak reverse voltage	600	V
$I_{T(AV)}$	Average on-state current	2.5	A
$I_{T(RMS)}$	RMS on-state current	4.0	A
I_{TSM}	Non-repetitive peak on-state current	30	A

TO-202(3)



◆ LIMITING VALUES

ELECTRICAL CHARACTERISTICS (T_J=25 °C, unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V_{DRM}	Repetitive peak off-state voltage	$I_D=0.1mA$	600		V
V_{RRM}	Repetitive peak reverse voltage	$I_D=0.5mA$	600		V
I_{DRM}	Repetitive peak off-state current	$V_{RRM}=V_{DRM}$ $R_{GK}=1k$		5	μA
I_{RRM}	Repetitive peak reverse current			1	mA
I_{GT}	Gate trigger current	$V_D=12V; I_T=0.1A$		50	μA
V_T	On-state voltage	$I_T=8A$		1.8	V
V_{GT}	Gate trigger voltage	$V_D=12V; I_T=0.1A$		0.8	V