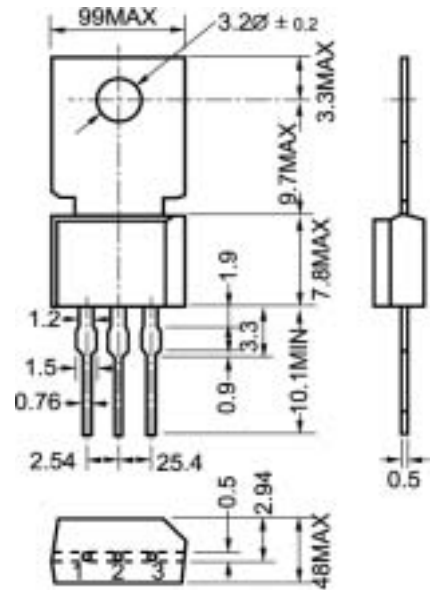
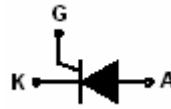


# X0402MF



## ◆ Features

- With TO-202 package
- 1cathode 2 anode 3 gate
- Highly sensitive triggering levels
- For capacitive discharge ignitions, motor control  
In kitchen aids , overvoltage crowbar protection  
In low power supplies 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	4	A
$I_{TSM}$	Non-repetitive peak on-state current	20	A
$T_j$	Junction temperature	110	
$T_{stg}$	Storage temperature	-40 ~150	

## ◆ LIMITING VALUES

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

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{DRM}$	Repetitive peak off-state voltage	$I_D=0.1\text{mA}$	600		V
$V_{RRM}$	Repetitive peak reverse voltage	$I_D=0.1\text{mA}$	600		V
$I_{DRM}$	Repetitive peak off-state current	$V_{DRM}=600\text{V}$		5	$\mu\text{A}$
$I_{RRM}$	Repetitive peak reverse current	$V_{RRM}=600\text{V}$		5	$\mu\text{A}$
$V_{TM}$	On-state voltage	$I_T=4\text{A}$		1.7	V
$I_H$	Holding current	$I_T=0.05\text{A}$		5	mA
$I_{GT}$	Gate trigger current	$V_D=12\text{V}; R_L=140$	5	200	$\mu\text{A}$
$V_{GT}$	Gate trigger voltage	$V_D=12\text{V}; R_L=140$		0.8	V
$V_{GD}$	Gate non-trigger voltage	$V_{DRM}=400\text{V}, R_{GR}=1\text{k}; T_J=110$	0.1		V