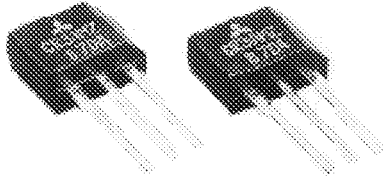


CR3AMZ

LOW POWER, STROBE USE
NON-INSULATED TYPE, GLASS PASSIVATION TYPE

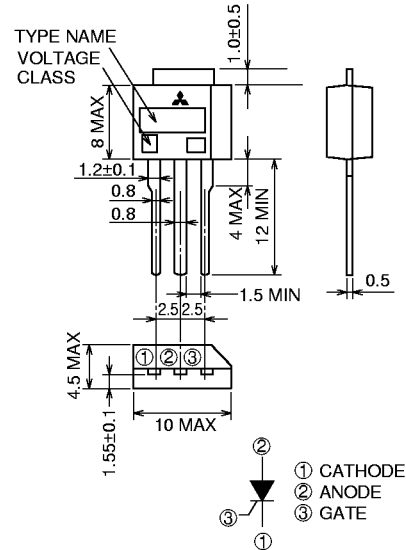
CR3AMZ



- I_T (AV) **0.4A**
- V_{DRM} **400V**
- I_{GT} **30mA**

OUTLINE DRAWING

Dimensions
in mm



TO-202

APPLICATION

Automatic strobe flasher

MAXIMUM RATINGS

Symbol	Parameter	Voltage class	Unit
		8	
V_{RRM}	Repetitive peak reverse voltage	400	V
V_{RSM}	Non-repetitive peak reverse voltage	480	V
V_{DRM}	Repetitive peak off-state voltage	400	V
V_{DSM}	Non-repetitive peak off-state voltage	480	V

Symbol	Parameter	Conditions	Ratings	Unit
I_T (AV)	Average on-state current	Commercial frequency, sine half wave, 180° conduction,	0.4	A
I_{TRM}	Repetitive peak on-state current *1	$C_M=700\mu F$ with discharge current	200	A
P_{GM}	Peak gate power dissipation		0.5	W
P_G (AV)	Average gate power dissipation		0.1	W
V_{FGM}	Peak gate forward voltage		6	V
I_{FGM}	Peak gate forward current		0.5	A
T_j	Junction temperature		-40 ~ +125	°C
T_{stg}	Storage temperature		-40 ~ +125	°C
—	Weight	Typical value	1.1	g

*1. Refer to sections 1, 2 on STROBE FLASHER APPLICATION shown in the last sheet for CR3JM.

Feb.1999

CR3AMZ

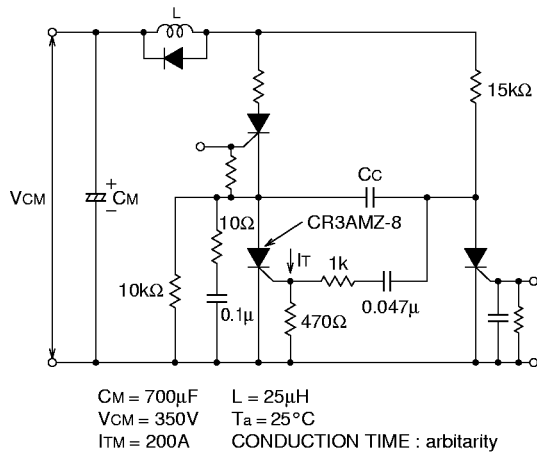
LOW POWER, STROBE USE
NON-INSULATED TYPE, GLASS PASSIVATION TYPE

ELECTRICAL CHARACTERISTICS

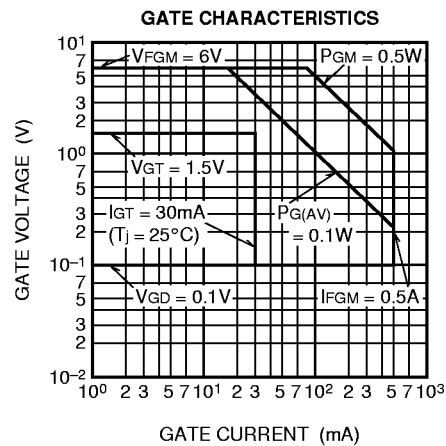
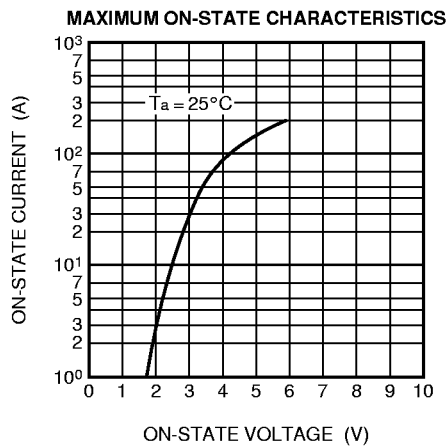
Symbol	Parameter	Test conditions	Limits			Unit
			Min.	Typ.	Max.	
I_{RRM}	Repetitive peak reverse current	$T_J=25^\circ\text{C}$, V_{RRM} applied	—	—	0.1	mA
I_{DRM}	Repetitive peak off-state current	$T_J=25^\circ\text{C}$, V_{DRM} applied	—	—	0.1	mA
V_{TM}	On-state voltage	$T_a=25^\circ\text{C}$, $I_{TM}=3\text{A}$, Instantaneous value	—	—	2.0	V
V_{GT}	Gate trigger voltage	$T_J=25^\circ\text{C}$, $V_D=6\text{V}$, $R_L=6\Omega$	—	—	1.5	V
V_{GD}	Gate non-trigger voltage	$T_J=125^\circ\text{C}$, $V_D=1/2V_{DRM}$	0.1	—	—	V
I_{GT}	Gate trigger current	$T_J=25^\circ\text{C}$, $V_D=6\text{V}$, $R_L=6\Omega$	—	—	30	mA
C_c	Commutating capacitor *2	$C_M=700\mu\text{F}$, $V_{CM}=350\text{V}$, $I_{TM}=200\text{A}$, $L=25\mu\text{H}$, $T_a=25^\circ\text{C}$	—	—	2.2	μF

*2. Refer to section 3 on STROBE FLASHER APPLICATION shown in the last sheet for CR3JM.

Fig 1. TEST CIRCUIT FOR COMMUTATING CAPACITOR

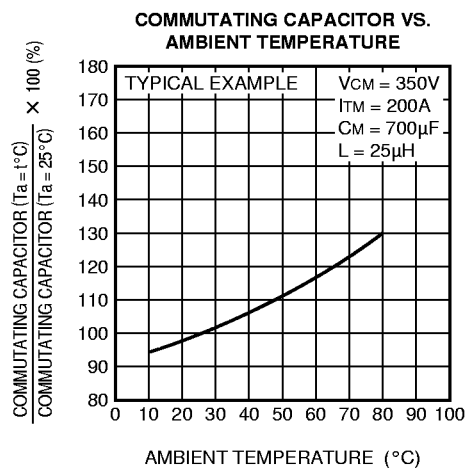
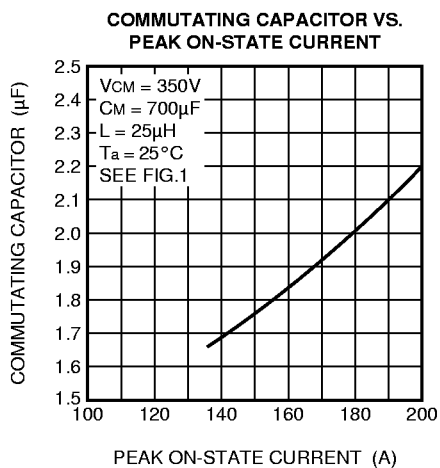
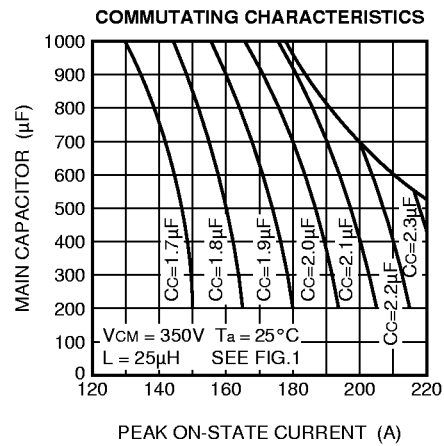
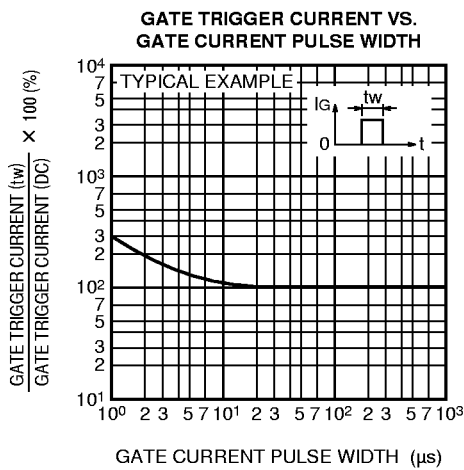
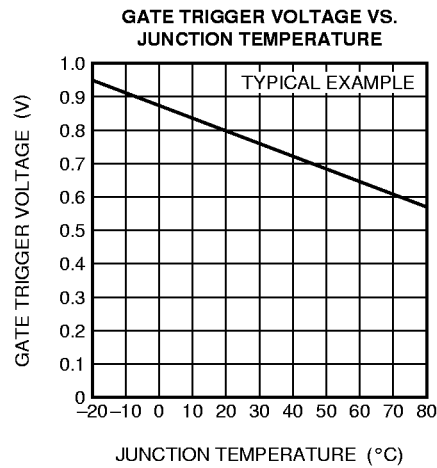
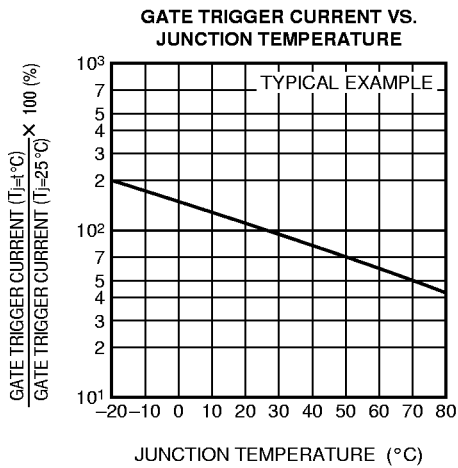


PERFORMANCE CURVES



CR3AMZ

LOW POWER, STROBE USE
NON-INSULATED TYPE, GLASS PASSIVATION TYPE



CR3AMZ

LOW POWER, STROBE USE
NON-INSULATED TYPE, GLASS PASSIVATION TYPE

