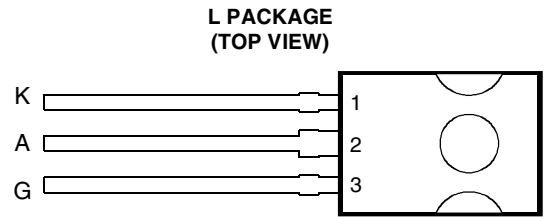


- $V_{(BR)}$ 1200 to 1500 V
- $I_H > 175$ mA
- $I_{GT} < 2$ mA

description

This product is intended for use as a T8/T12 fluorescent tube starter switch on 200-240 V a.c. supplies with tube sizes up to 5 ft with leading and lagging ballast circuits.



Pin 2 is in electrical contact with the heat slug.

MDXXAO

absolute maximum ratings at 25°C case temperature (unless otherwise noted)

RATING	SYMBOL	VALUE	UNIT
Crest working off-state voltage (Full wave rectified 50 Hz a.c.)	V_{DWM}	375	V
Peak reverse gate voltage	V_{RGM}	6	V
On-state current	I_T	1.5	A
— continuous	I_{TRM}	2	A
— repetitive peak	I_{TSM}	10	A
— non-repetitive peak			
Peak gate current	I_{GFM}	0.5	A
Average gate power	$P_{G(av)}$	0.3	W
Operating case temperature range	T_C	-5 to +85	°C
Storage temperature range	T_{stg}	-10 to +110	°C
Lead temperature during soldering 1.6 mm from the case for 10 seconds	T_{lead}	230	°C

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

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
I_D Off-state current	$V_D = V_{DWM}$ $T_j = 65^\circ\text{C}$			1	mA
V_T On-state voltage	$I_T = 2$ A			3.1	V
$V_{(BR)}$ Clamping voltage	$I_{(BR)} = 5$ mA $t_p < 200 \mu\text{s}$, 2% duty cycle	1200		1500	V
I_H Holding current	See application circuit	175			mA
I_{GTM} Peak gate trigger current	$V_{AA} = 10$ V $R_L = 10 \Omega$			2	mA
V_{GTM} Peak gate trigger voltage	$V_{AA} = 10$ V $R_L = 10 \Omega$			3	V

PRODUCT INFORMATION

MARCH 1998 - REVISED SEPTEMBER 2002
Specifications are subject to change without notice.

