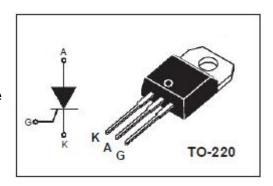


isc Thyristors 2N6399

DESCRIPTION

- With TO-220 packaging
- High surge capability
- Glass passivated junctions and center gate fire for greater parameter uniformity and stability
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



APPLICATIONS

Switching applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER			MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage			800	V
V _{RRM}	Repetitive peak reverse voltage	CA		800	V
I _{T(RMS)}	RMS on-state current			12	Α
I _{TSM}	Surge non-repetitive on-state current (1/2 cycle,sine wave;Tc=25℃)		60HZ	100	Α
$P_{G(AV)}$	Average gate power dissipation	Tp=8.3ms		0.5	W
T _j	Operating junction temperature	9		-40~125	$^{\circ}\mathbb{C}$
T _{stg}	Storage temperature	9		-40~150	$^{\circ}$

ELECTRICAL CHARACTERISTICS (Tc=25℃ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _{RM} =V _{RRM}	T _j =25℃		0.02	
I _{DRM}	Repetitive peak off-state current	V _{DM} =V _{DRM}	T _j =100℃ T _j =125℃		1.0 2.0	mA
V_{TM}	On-state voltage	I _{TM} = 24A			2.2	V
I _{GT}	Gate-trigger current	V _D = 12 V; RL=100 Ω			30	mA
V _{GT}	Gate-trigger voltage	V _D = 12 V; RL=0 Ω			1.5	V
R _{th(j-c)}	Thermal resistance	Junction to case			2.0	°C/W

isc Thyristors 2N6399



Notice:

ISC reserves the rights to make changes of the content herein the datasheet at any time without notification. The information contained herein is presented only as a guide for the applications of our products.

ISC products are intended for usage in general electronic equipment. The products are not designed for use in equipment which require specialized quality and/or reliability, or in equipment which could have applications in hazardous environments, aerospace industry, or medical field. Please contact us if you intend our products to be used in these special applications. ISC makes no warranty or guarantee regarding the suitability of its products for any particular purpose, nor does ISC assume any liability arising from the application or use of any products, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages.