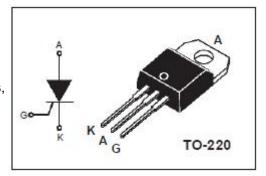


TYN625

APPLICATIONS

- It is suitable to fit all modes of control found in applications such as overvoltage crowbar protection,motor control circuits in power tools and kitchen aids,in-rush current limiting circuits,
 capacitive discharge ignition, voltage regulation circuits etc.
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	MIN	UNIT
V _{DRM}	Repetitive peak off-state voltage	800	V
V _{RRM}	Repetitive peak reverse voltage	800	V
I _{T(RMS)}	RMS on-state current	25	Α
I _{T(AV)}	Average on-state current	16	A
I _{TSM}	Surge non-repetitive on-state current	314	Α
Tj	Operating junction temperature	110	°C
T _{stg}	Storage temperature	-45~150	°C

ELECTRICAL CHARACTERISTICS (Tc=25°C unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS		MIN	МАХ	UNIT
I _H	Holding current	IT=500mA Gate o		50	mA	
١L	Latching current	IG-1.2IGT		90	mA	
V _{TM}	On-state voltage	І _{тм} = 50А;Тр=380		1.6	V	
I _{GT}	Gate-trigger current	V _D = 12 V;IT = 0.1 A			40	mA
V _{GT}	Gate-trigger voltage	V _D = 12 V;IT = 0.1 A			1.3	V
I _{RRM}	Repetitive peak reverse current	VRRM =VDRM	Tc=25 ℃		5	μA
			Tc=125℃		4	mA
I _{DRM}	Repetitive peak off-state current	VRRM =VDRM	Tc=25 ℃		5	μA
			Tc=125 ℃		4	mA

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