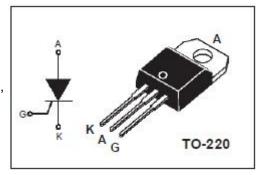


TYN812

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			UNIT
V _{DRM}	Repetitive peak off-state voltage		800	V
V _{RRM}	Repetitive peak reverse voltage			V
I _{T(RMS)}	RMS on-state current @Tc=90°C		12	Α
I _{T(AV)}	Average on-state current @Tc=90°C		8	Α
I _{TSM}	Surge non-repetitive on-state current	T _p =8.3ms T _p =10ms	125 120	A
Tj	Operating junction temperature		-40~125	°C
T _{stg}	Storage temperature		-40~150	°C

ELECTRICAL CHARACTERISTICS (Tc=25 $^{\circ}$ C unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS		MIN	МАХ	UNIT
I _{RRM}	Repetitive peak reverse current	V _{RRM} Rated	Tj=25℃ Tj=125℃		0.01 3	mA
I _{DRM}	Repetitive peak off-state current	V _{DRM} Rated	Tj =25 ℃ Tj =25 ℃		0.01 3	mA
V _{TM}	On-state voltage	I _{тм} = 24А;Тр=380 µ s			1.6	V
I _{GT}	Gate-trigger current	V _D = 12 V;RL=33 Ω			15	mA
V _{GT}	Gate-trigger voltage	V _D = 12 V;RL=33 Ω			1.5	V
R _{th(j-c)}	Thermal resistance	Junction to case			2.5	°C/W



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