16A 4Quadrants TRIACs

Product Summary

Symbol	Value	Unit
$I_{T(AV)}$	16	A
V_{DRM} V_{RRM}	600/800	V
V_{TM}	1.55	V

Features

With high ability to withstand the shock loading of large current,With high commutation performances, 4 quadrants products especially recommended for use on inductive lou

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Electrical characteristics (T_A=25°C, unless otherwise noted)

Parameter	Symbol	Test Condition		Value		Unit
				Min	Max	
Gate trigger current	I_{GT}	V_D=12V RL=33Ω T_j=25°C	- -	≤ 25	≤ 50	mA
				≤ 60	≤ 100	
Gate trigger voltage	V_{GT}		- - -	≤ 1.3		V
Gate non-trigger voltage	V_{GD}	T_j=125°C		≥ 0.2		V
latching current	I_L	I_G=1.2I_{GT}	- -	≤ 40	≤ 60	mA
				≤ 80	≤ 120	
Holding current	I_H	I_T =500mA		≤ 25	≤ 50	mA
Critical-rate of rise of commutation voltage	dV_D/dt	V_D=2/3V_{DRM} Gate Open T_j=125°C		≥ 200	≥ 400	V/μs
STATIC CHARACTERISTICS						
Forward "on" voltage	V_{TM}	I_{TM} =20A tp=380μs		≤ 1.55		V
Repetitive Peak Off-State Current	I_{DRM}	V_D=V_{DRM} V_R=V_{RRM}	T_j=25°C	≤ 10		μA
Repetitive Peak Reverse Current	I_{RRM}		T_j=125°C	≤ 1		mA
THERMAL RESISTANCES						
Thermal resistance	Rth(j-c)	Junction to case(AC)		TYP.	1.2	°C/W
	Rth(j-a)	Junction to ambient		TYP.	60	°C/W

Ordering Information

B:I_{GT1-3} ≤50mA I_{GT} T2

Typical Characteristics











