JCT640CH 40A SCR Rev.A.1.1

DESCRIPTION:

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Tset. Pck -220C is RoHS cpn

MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Sto	T_{stg}	-40-150	
Operation junction temperature	T_j	-40-150	
Repetitive peak off-state voltage (T_j=25)	V_{DRM}	600	V
Repetitive peak reverse voltage (T_j=25)	V_{RRM}	600	V
Aver on-state current (T C 134)	$I_{T(AV)}$	25	A
RMS on-state current (T C 134)	$I_{T(RMS)}$	40	A
Non repetitive surge peak on-state current (t_p=10ms, T_j=25)	I_{TSM}	500	A
Non repetitive surge peak on-state current (t_p=8.3ms, T_j=25)	I_{TSM}	540	A
I^2t value for fusing (t_p=10ms, T_j=25)	I^2t	1250	A^2s
Critical rate of rise of on-state current (I_G=2× I_{GT}, f =10 150 01 T)	dI/dt	180	A/μs
Peak gate current (t_p=20μs, T_j=150)	I_{GM}	10	A
Average gate power dissipation (T_j=150)	$P_{G(AV)}$	1	W

ORDERING INFORMATION

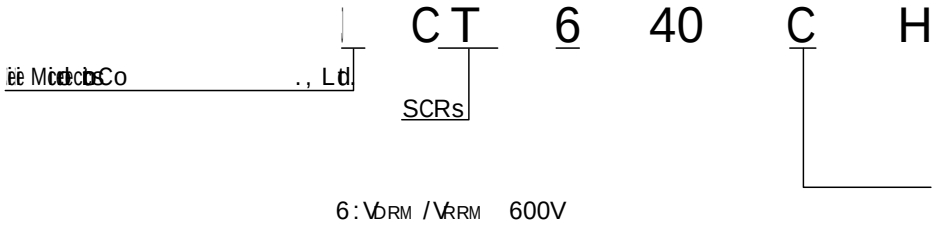

FIG.1: Maximum RMS on-state current

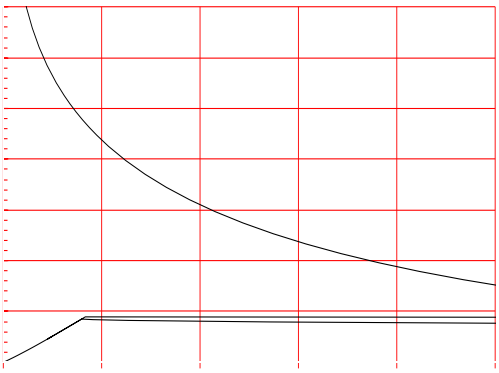

FIG.2: RMS on-state current versus temperature

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