

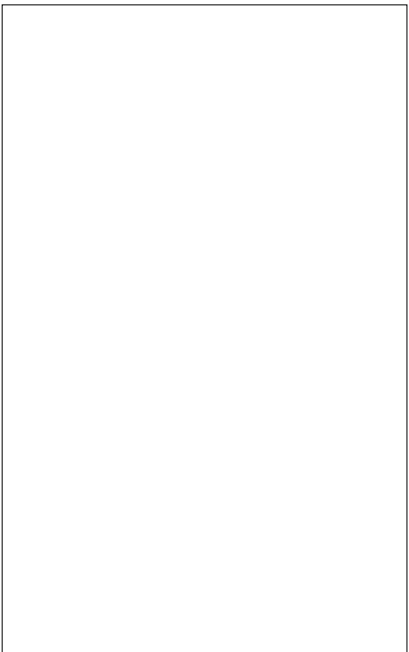


JCT640CH 40A SCR

Rev.A.1.1

DESCRIPTION:

With high  
 640CH SCR  
 high  $di/dt$   
 of excellent  
 on a variety of  
 T<sub>st</sub> Pkg -220C



MAIN FEATURES

ABSOLUTE MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Storage temperature	T <sub>st</sub>	-40-150	
Operating temperature	T <sub>j</sub>	-40-150	
Reverse peak voltage (T <sub>j</sub> =25 °C)	V <sub>DRM</sub>	600	V
Reverse voltage (T <sub>j</sub> =25 °C)	V <sub>RRM</sub>	600	V
Avg. current (T <sub>c</sub> 134 °C)	I <sub>T(AV)</sub>	25	A
RMS current (T <sub>c</sub> 134 °C)	I <sub>T(RMS)</sub>	40	A
Non-repetitive peak current (t <sub>p</sub> =10ms, T <sub>j</sub> =25 °C)	I <sub>TSM</sub>	500	A
Non-repetitive peak current (t <sub>p</sub> =8.3ms, T <sub>j</sub> =25 °C)		540	
Surge current (t <sub>p</sub> =10ms, T <sub>j</sub> =25 °C)	I <sup>2</sup> t	1250	A <sup>2</sup> s
Gate current (I <sub>G</sub> =2x I <sub>GT</sub> , f = 100Hz)	di/dt	180	A/μs
Peak gate current (t <sub>p</sub> =20μs, T <sub>j</sub> =150 °C)	I <sub>GM</sub>	10	A
Avg. gate power (T <sub>j</sub> =150 °C)	P <sub>G(AV)</sub>	1	W



ORDERING INFORMATION

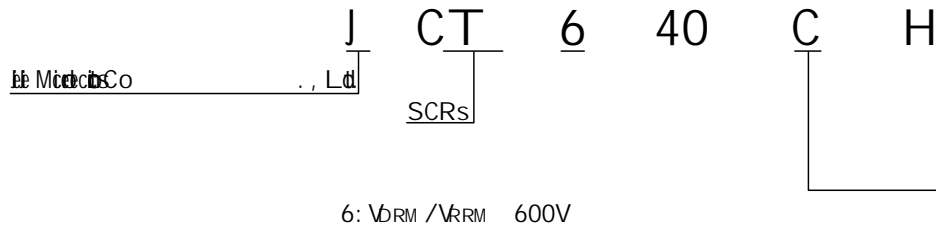


FIG.1: ~~Max~~  
RMS ~~0~~ - ~~1~~ ~~sec~~

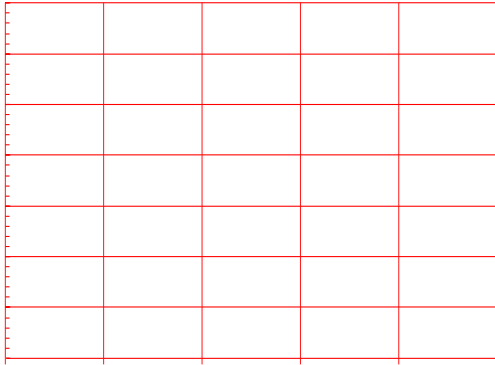


FIG.2: RMS ~~0~~ - ~~1~~ ~~sec~~  
~~sec~~







If you need this data sheet, please contact us.  
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 are always ready to serve you.  
 If you have any questions, please contact us.  
 For more information, please visit our website.  
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