

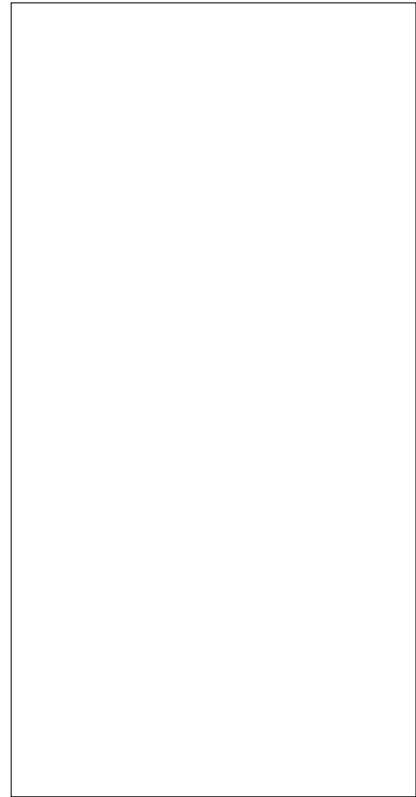
JCT840AH 40A SCR

Rev.A.1.1

DESCRIPTION:

With high ability to withstand the shock loading of large current, JCT840AH SCR provides high dV/dt rate with strong resistance to electromagnetic interference. It is especially recommended for use on solid state relay, motorcycle, power charger, T-tools etc. From all three terminals to external heatsink, JCT840AH provides a rated insulation voltage of 2500 V_{RMS} , complying with UL standards (File ref: E252906). Package TO-220A is RoHS compliant.

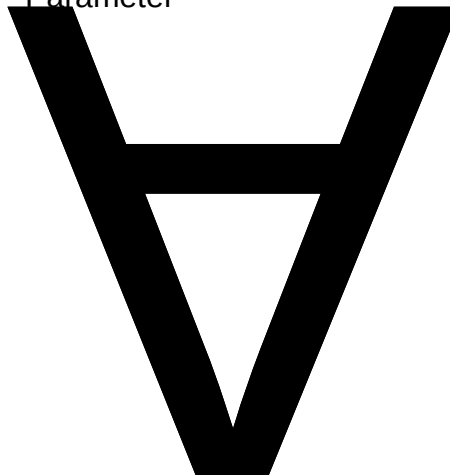
MAIN FEATURES



ABSOLUTE MAXIMUM RATINGS

Parameter

Symbol or 15 > > ac 1m [08 3.48 3.481 re f 38332 T1



JCT840AH

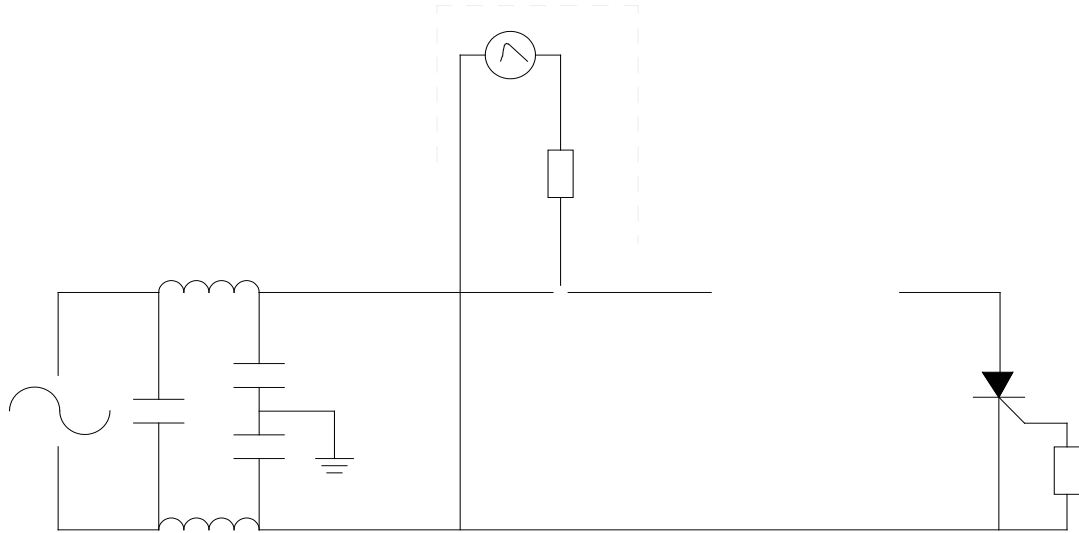
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Peak gate current ($t_p=20\text{ s}$, $T_j=150\text{ }^\circ\text{C}$)	I_{GM}	10	A
Average gate power dissipation ($T_j=150\text{ }^\circ\text{C}$)	$P_{G(AV)}$	1	W
Peak gate power	P_{GM}	20	W
Peak pulse voltage ($T_j=25\text{ }^\circ\text{C}$; non-repetitive,off-state;FIG.7)	V_{pp}	0.5	kV

ORDERING INFORMATION

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FIG.7 ÖTest circuit for inductive and resistive loads to IEC-61000-4-5 standards. R



ORDERING INFORMATION

Order code	Voltage $V_{\text{DRM}}/V_{\text{RRM}}$ (V)	IGT(mA)	Package	Base qty. (pcs)	Delivery mode
JCT840AH	800	35	TO-220A(Ins)	50	Tube

Document Revision History

Date	Revision	Changes
Jun.15, 2023	A.1.0	Last update
Oct.11, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA

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