

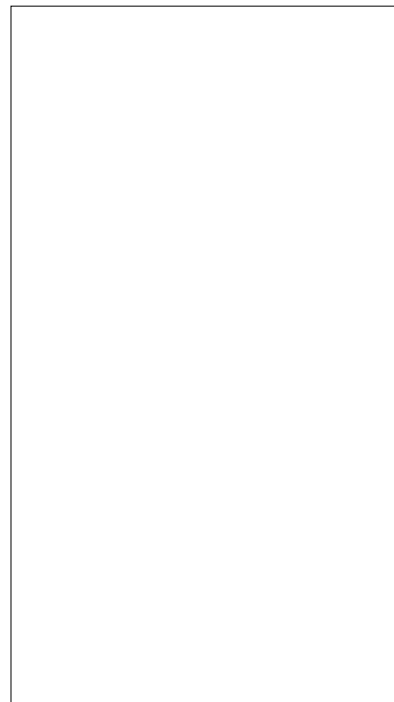


## JCT616HH 16A SCR

Rev.A.1.1

### DESCRIPTION:

With high ability to withstand the shock loading of large current, JCT616HH of silicon controlled rectifiers 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. Package TO-251 is RoHS compliant.



### MAIN FEATURES

### ABSOLUTE MAXIMUM RATINGS

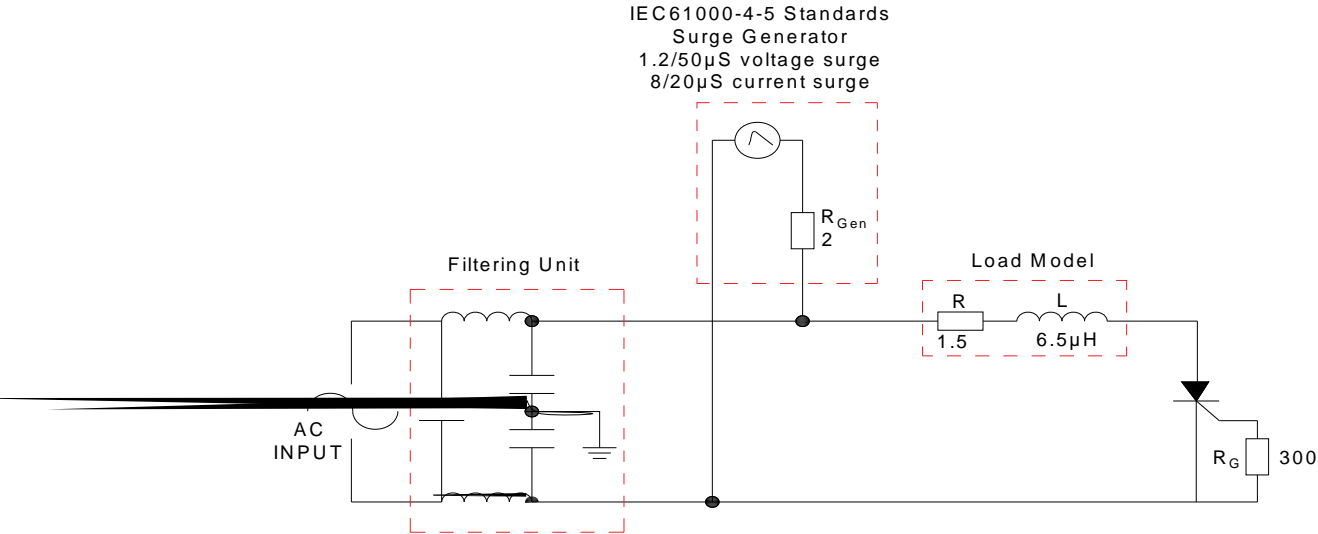
Parameter	Symbol	Value	Unit
Storage junction temperature range	$T_{stg}$	-40-150	
Operating junction temperature range	$T_j$	-40-150	
( $T_j=25$ )	$V_{DRM}$	600	V
( $T_j=5$ )	$V_{RRM}$	600	V
( )	$I_{T(AV)}$	10	A
Non repetitive surge peak on-state current ( $t_p=10ms, T_j=25$ )	$I_{TSM}$	150	A
Non repetitive surge peak on-state current		165	
Critical rate of change of on-state current ( $I_G=2 \times I_{GT}, f=100$ )	$di/dt$	150A	A/ $\mu s$







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



**ORDERING INFORMATION**

<b>Order code</b>	<b>Voltage V<sub>DRM</sub>/V<sub>RRM</sub> (V)</b>	<b>IGT(mA)</b>	<b>Package</b>	<b>Base qty. (pcs)</b>	<b>Delivery mode</b>
<b>JCT616HH</b>	<b>600</b>	<b>15</b>	<b>TO-251</b>	<b>80</b>	<b>Tube</b>

**Document Revision History**

<b>Date</b>	<b>Revision</b>	<b>Changes</b>
Jun.9, 2023	A.1.0	Last update
Oct.17, 2025	A.1.1	Revise PACKAGE MECHANICAL DATA



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