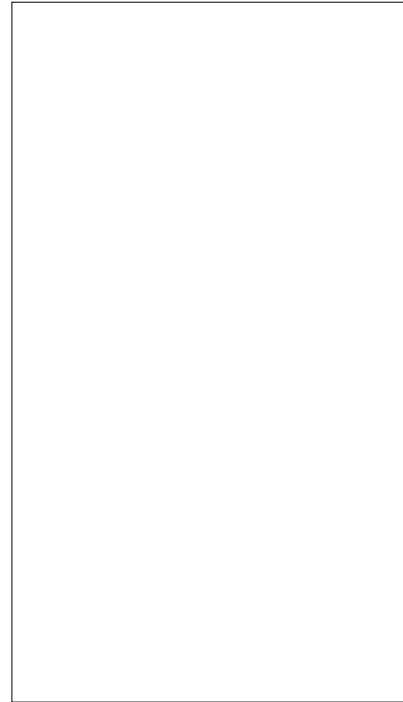


JCT616CH 16A SCR

Rev.A.1.1

## DESCRIPTION:

With high ability to withstand the shock loading of large current, JCT616CH 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-220C is RoHS compliant.



## MAIN FEATURES

## ABSOLUTE MAXIMUM RATINGS

| Parameter                            | Symbol           | Value   | Unit |
|--------------------------------------|------------------|---------|------|
| Storage junction temperature range   | T <sub>stg</sub> | -40-150 |      |
| Operating junction temperature range | T <sub>j</sub>   | -40-150 |      |

Repetitive peak to peak  
Reverse voltage (V)  
Forward current (A)

|                                                                      |             |    |   |
|----------------------------------------------------------------------|-------------|----|---|
| Average gate power dissipation ( $T_j=150\text{ }^{\circ}\text{C}$ ) | $P_{G(AV)}$ | 1  | W |
| Peak gate power                                                      | $P_{GM}$    | 20 | W |



FIG.1: Maximum power dissipation versus  
RMS on-state current

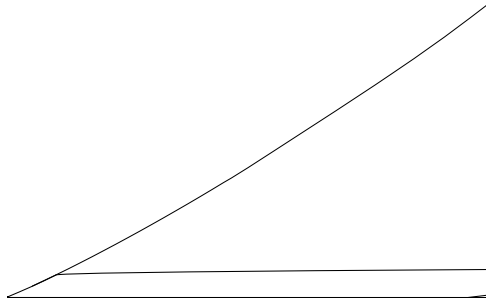
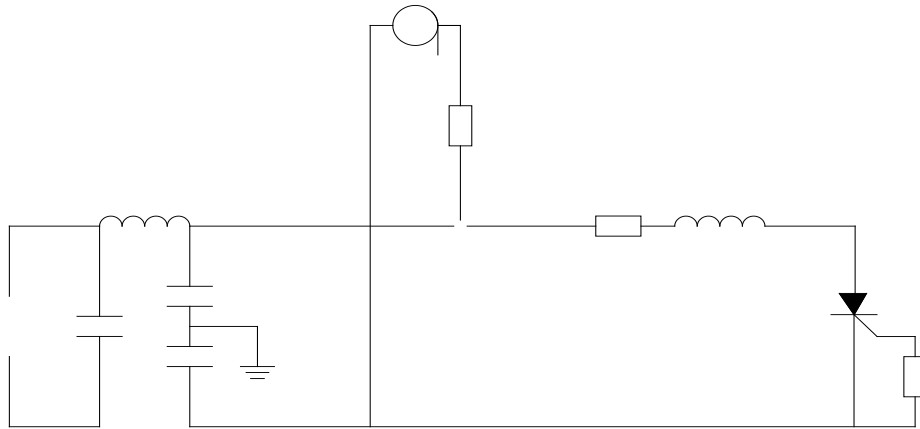


FIG.2: RMS on-state current versus case  
temperature

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



## ORDERING INFORMATION

|            |                                 |
|------------|---------------------------------|
| Order code | Voltage<br><input type="text"/> |
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