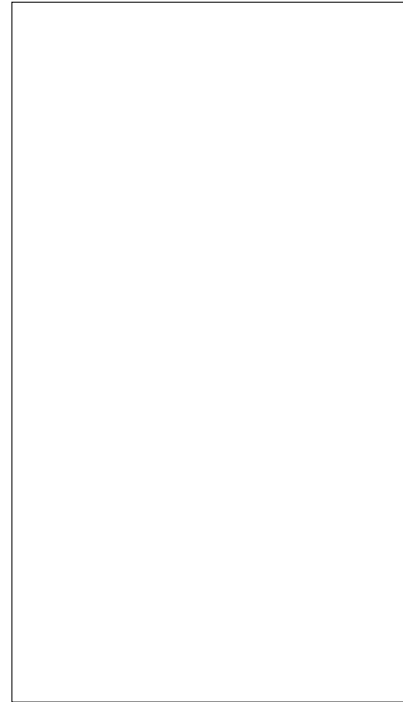


JCT816C 16A SCR

Rev.A.1.1

## DESCRIPTION:

With high ability to withstand the shock loading of large current, JCT816C 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

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Parameter

Symbol

Value

Unit is 8.92 402.8.92

|                                                                                    |             |     |    |
|------------------------------------------------------------------------------------|-------------|-----|----|
| Average gate power dissipation ( $T_j=125^\circ\text{C}$ )                         | $P_{G(AV)}$ | 1   | W  |
| Peak gate power                                                                    | $P_{GM}$    | 20  | W  |
| Peak pulse voltage<br>( $T_j=25^\circ\text{C}$ ; non-repetitive, off-state; FIG.7) | $V_{pp}$    | 0.5 | kV |

ELECTRICAL CHARACTERISTICS

## ORDERING INFORMATION

|                                   |           |                                             |                          |           |
|-----------------------------------|-----------|---------------------------------------------|--------------------------|-----------|
| <u>J</u>                          | <u>CT</u> | <u>8</u>                                    | <u>16</u>                | <u>C</u>  |
| JieJie Microelectronics Co., Ltd. | SCRs      | 8:V <sub>DRM</sub> /V <sub>RRM</sub> 1800 V | I <sub>T(RMS)</sub> :16A | C:TO-220C |

## MARKING

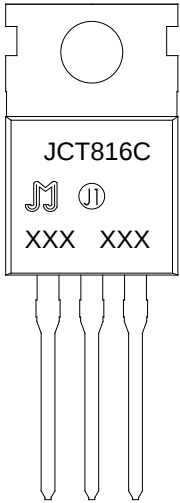
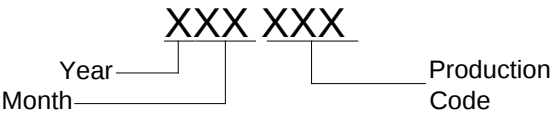
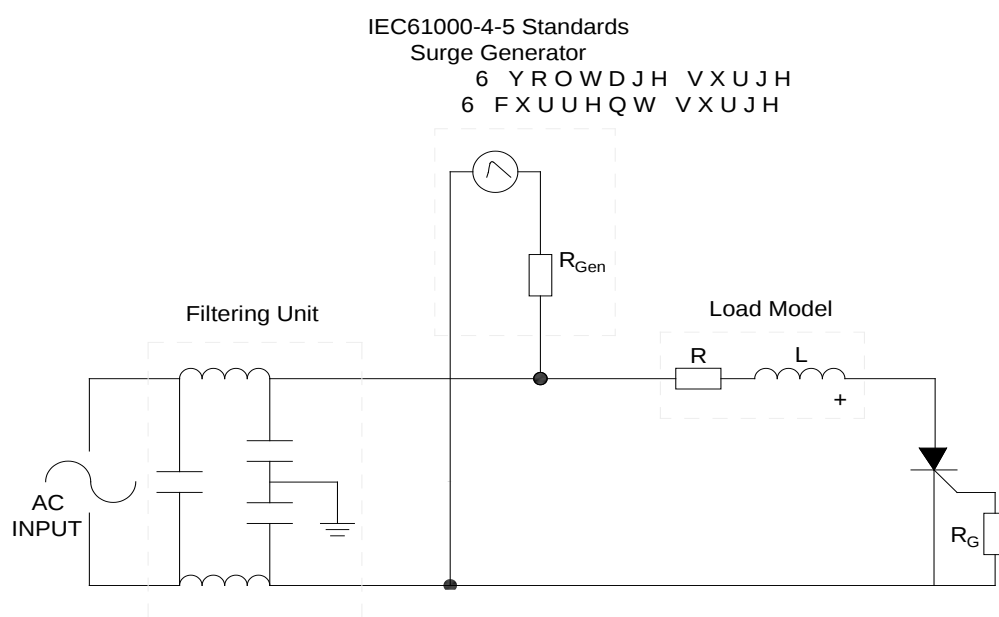
|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|



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



## ORDERING INFORMATION

| Order code | Voltage<br>$V_{\text{DRM}}/V_{\text{RRM}}$ (V) | IGT(mA) | Package | Base qty.<br>(pcs) | Delivery<br>mode |
|------------|------------------------------------------------|---------|---------|--------------------|------------------|
| JCT816C    | 800                                            | 15      | TO-220C | 50                 | Tube             |

## Document Revision History

| Date         | Revision | Changes     |
|--------------|----------|-------------|
| Apr.13, 2023 | A.1.0    | Last update |

PACKAGE MECHANICAL DATA



