

## SPECIFICATION

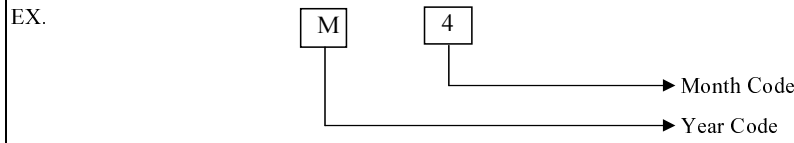
|                                  |             |           |  |
|----------------------------------|-------------|-----------|--|
| PART No.                         | CNR-14D820K |           |  |
| UL REC : UL 1449 ( 2ND EDITION ) |             |           |  |
| VDE                              | ISO 9002    | ISO 14001 |  |

### 1. OUTLINE

|     |            |                      |           |          |
|-----|------------|----------------------|-----------|----------|
| 1,1 | APPEARANCE | WITHOUT DIRT & CRACK |           |          |
| 1,2 | DIMENSIONS |                      | D ( Max ) | 17,5     |
|     |            |                      | H(Max)    | 20,5     |
|     |            |                      | T(Max)    | 4,0      |
|     |            |                      | W         | 7.5±1.0  |
|     |            |                      | d         | 0.8±0.05 |
|     |            |                      | L(Min)    | 25       |
|     |            | UNIT:mm              |           |          |
|     |            | CP                   |           |          |

Enclosure Non-Flanunable Epoxy Resin (UL 94V-0), Blue  
 Lot No. on the product consists of Factory ID ,year code and month code

| Year Code  |            |            | Month Code    |             |                |
|------------|------------|------------|---------------|-------------|----------------|
| H-----2003 | M-----2007 | X-----2011 | 1----January  | 5----May    | 9----September |
| J-----2004 | P-----2008 | Y-----2012 | 2----February | 6----June   | o----October   |
| K-----2005 | U-----2009 | Z-----2013 | 3----March    | 7----July   | n----November  |
| L-----2006 | W-----2010 | G-----2014 | 4----April    | 8----August | d----December  |



### 2. ELECTRICAL PARAMETERS

|      |                                      |                     |                     |
|------|--------------------------------------|---------------------|---------------------|
| 2,1  | Max ALLOWABLE VOLTAGE                | AC : 50V ; DC 65V   |                     |
| 2,2  | VARISTOR VOLTAGE                     | V1mA : 74V-90V      | AT 1.0mA DC         |
| 2,3  | RATED WATTAGE                        | 0.60W               |                     |
| 2,4  | CLAMPING VOLTAGE                     | < 135V ( AT 50.0A ) | WAVE FORM 8*20µS    |
| 2,5  | WITHSTANDING SURGE CURRENT           | 1 TIME :4500A       | WAVE FORM 8*20µS    |
|      |                                      | 2 TIMES : 2500A     | WAVE FORM 8*20µS    |
| 2,6  | Max ENERGY                           | 22.0 JOULES         | WAVE FORM 10*1000µS |
| 2,7  | TEMP COEFFICIENT OF VARISTOR VOLTAGE | < -0.05 %/ °C       | -40°C~ +125°C       |
| 2,8  | CAPACITANCE                          | 4300 PF             | FREQ : 1 KHz        |
| 2,9  | LEAKAGE CURRENT                      | <20µA               | AT 65 V (DC)        |
| 2,10 | IMPULSE LIFE                         | <± 10% (V1.0mA)     | WAVE FORM 8*20µS    |
| 2,11 | STORAGE TEMPERATURE RANGE            | -40°C~ +125°C       |                     |
| 2,12 | OPERATION AMBIENT TEMPERATURE RANGE  | -40°C~ +85°C        |                     |