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**MYG Series**

高温（125℃）超能型**！**

**Varistors 压敏电阻器**

**- For Absorbing Surge Voltage**

**用于吸收浪涌电压**

■ **GENERAL概述**

压敏电阻器几乎应用在所有的电器设备上，是最常用的过压保护器件。

**伟林-中昊** MYG系列高温、超能型压敏电阻器是专门为有高温（125℃）、高能要求的电力设备、电源、电器及电子仪器、仪表设计的王牌产品。

The varistors are the most popular over-voltage protection components, nearly applicable to all kinds of electrical equipments.

As a trump card product, WEILIN-ZHONGHAO MYG Series, the high temperature, super energy type of varistors, are specially designed for power equipments, SMPS, electrical equipments, electronic instruments, etc.

■ **PART NUMBERING 产品编号**

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| --- | --- | --- | --- | --- | --- | --- |
| MYG | - | 14 | K | DC | 681 | S |

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(1) MYG Series 系列：MYG伟林电能表用压敏电阻器系列。

(2) Nominal size 标称尺寸：14D-Φ14(mm)。

(3) Tolerance允差：K-±10%；L-±15%；M-±20%。

(4) DC/AC：DC-直流；AC-交流。

(5) Varistor Voltage压敏电压:：UN：681-680V。

(6) Volume Grade体积级别：B-I级，S-ǁ级。

■ **MAIN PARAMETERS主要参数**

**1) Varistor Voltage 压敏电压(UN):**

The voltage measured between leads when input 1mA current through varistor.

通常以在压敏电阻上通过1mA直流电流时的电压来表示其是否导通的标志电压，这个电压就称为压敏电压**(UN)**。

**2) Maximum Continuous Rated Voltage最大连续额定电压**

a. Maximum continuous AC rated voltage = 0.64**UN**. The AC voltage peak value should be less than the lower limit of varistor of the specification.最大连续交流额定电压约等于0.64倍压敏电压，其峰值应低于压敏电压规格下限值。

b. Maximum continuous DC rated voltage = 0.83 **UN**.最大连续直流额定电压约等于0.83倍的压敏电压。

**3) Clamping Voltage限制电压(UC):**

The voltage measured between the leads when input the norminal pulse current through varistor.

是指给压敏电阻器施加标称脉冲电流时呈现的电压。

**4) Max Energy能量(EMax):**

The maximum energy that varistor can endure with Un variation no more than 10%. The energy is input to varistor

by a surge current with specified waveform(10/1000 μs). Energy value is obtained by measuring the peak current

(Ip) and peakvoltage (UC) then calculated as below:

额定能量是指压敏电阻能够承受规定波形的冲击电流冲击一次的最大能量(冲击后压敏电压的变化率不大于10%)，可用下式表示：

 **EMax=1.4\*Ip\*Uc\*10-3** (J)

■ **SPECCIFICATIONS 规格表**

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**☆ MYG/14~32D**

APPROVED BY

Q/GDW11179.2 - 2014

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| No.序号 | Part No.产品编号 | Varistor Voltage 压敏电压UN (V) 1mA | Max Clamping Voltage最大限制电压UC (V) 8/20μs | Max. Energy 能量(J)10/1000μs  | Max.Peak Current最大峰值电流(A)8/20μs  | Max.Peak Current最大峰值电流(A)8/20μs | Rated Power最大额定功率(W) | Max Leakage Current最大漏电流(uA) | Max Capacitance最大电容量(PF) 1KHz |
| Ip单次通流  | In多次通流 |
| 1 Time | 40 Times | 70 Times |
| 1 | 14KDC471 | 470 | 775 | 175 | 6,000 | / | 3,000 | 0.6 | 20 | 430 |
| 2 | 14KDC561 | 560 | 920 | 186 | 6,000 | 360 |
| 3 | 14KDC621 | 620 | 1,025 | 188 | 6,000 | 320 |
| 4 | 14KDC681 | 680 | 1,120 | 190 | 6,000 | 290 |
| 5 | 14KDC751 | 750 | 1,240 | 210 | 6,000 | 270 |
| 6 | 14KDC821 | 820 | 1,355 | 235 | 6,000 | 230 |
| 7 | 14KDC102 | 1,000 | 1,650 | 280 | 6,000 | 200 |
| 8 | 20KDC471 | 470 | 775 | 315 | 10,000 | / | 3,000 | 1.0 | 20 | 850 |
| 9 | 20KDC561 | 560 | 920 | 344  | 10,000 | 715 |
| 10 | 20KDC621 | 620 | 1,025 | 344  | 10,000 | 650 |
| 11 | 20KDC681 | 680 | 1,120 | 344  | 10,000 | 600 |
| 12 | 20KDC751 | 750 | 1,240 | 378 | 10,000 | 530 |
| 13 | 20KDC821 | 820 | 1,355 | 414 | 10,000 | 500 |
| 14 | 20KDC102 | 1,000 | 1,650 | 459 | 10,000 | 400 |
| 15 | 20KDC112 | 1,100 | 1,815 | 509  | 10,000 | 360 |
| 16 | 25KDC681 | 680 | 1,120 | 640 | 22,000 | / | 5,000 | 1.1 | 20 | 950 |
| 17 | 25KDC751 | 750 | 1,240 | 700 | 22,000 | 850 |
| 18 | 25KDC821 | 820 | 1,355 | 770 | 22,000 | 750 |
| 19 | 25KDC102 | 1,000 | 1,650 | 945 | 22,000 | 650 |
| 20 | 32KDC681 | 680 | 1,120 | 840 | 27,500 | 10,000 | / | 1.2 | 20 | 2,200 |
| 21 | 32KDC751 | 750 | 1240 | 880 | 27,500 | 2,000 |
| 22 | 32KDC821 | 820 | 1,355 | 952 | 27,500 | 1,800 |
| 23 | 32KDC102 | 1,000 | 1,650 | 1,020 | 27,500 | 1,100 |
| 工作环境温度：-40℃-125℃， 储存温度：-40℃-85℃ |

Combined Wave 组合波**40hits(1.2/50,8/20μs**):14D:6KV/3KA; 20D:8KV/4KA;25D:10KV/5KA。