

MYG 通用型氧化锌压敏电阻器

Type MYG Zinc Oxide Varistors For General Use

● 应用范围:

主要用于吸收各种操作过电压及雷电感应浪涌电压，以防止过电压干扰电路的正常工作或损坏电路元件。

| 型号 Type | 压敏电压 Varistor Voltage | 最大连续 工作电压 Max. Allowable Voltage | | 最大限制电压 Max. Clamping Voltage/test Current (8/20 μ s) | | 能量耐量 Energy (2ms) | 通流容量 withstanding surge current (8/20 μ s) | | 最大静 态功率 Rated Power | 静电容量 typical capacitance (reference) |
|------------|-----------------------------|---|-------|---|-------|-------------------------|---|-----------|------------------------------|---|
| | V | ACrms(V) | DC(V) | Vc(v) | Lp(A) | (J) | 1time(A) | 2times(A) | (W) | 1khz(pf) |
| MYG20K431 | 430 (387~473) | 275 | 350 | 710 | 100 | 140 | 6500 | 4000 | 1.0 | 900 |

NOTE: 1. 20mm 产品压敏电压测试电流为 1mA

Varistor voltage are measured at 1mA

2. 工作环境温度: -40~ +85 $^{\circ}$ C

Operating Temperature Range: -40~+85 $^{\circ}$ C

贮存温度: -40 ~+125 $^{\circ}$ C

Storage Temperature Range:-40 ~+125 $^{\circ}$ C

产品规格书

标准系列号
STANDARD SERIES No.

GB/T10195-1997

承认系列号
SERIES No.

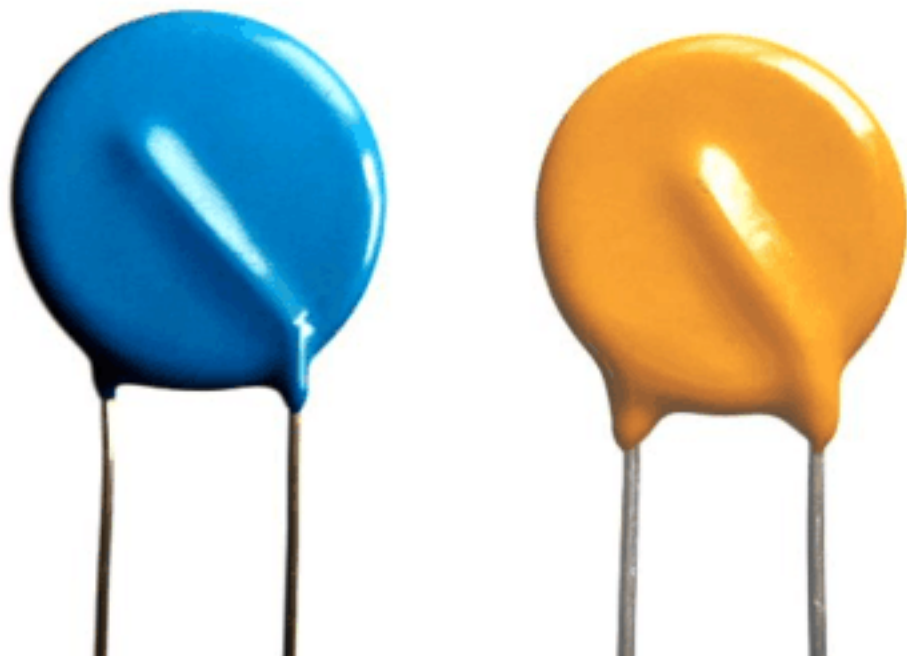
客户名称:

部品号 P/N: MYG20K431

客户部品号: _____

产品名称 NAME: 氧化锌压敏电阻器

应用领域 APPLICATION: 过电压保护



描述

1. 压敏电压

$$V_{1MA} = 430V \pm 10\%$$

2. 通流容量 (8/20 μ S, 1次)

6500A

压敏电阻器

概述: MYG 型压敏电阻器是以氧化锌为主要原料的半导体陶瓷元件, 其电阻值随施加电压的变化而变化。具有体积小、通流容量大。

Type MYG varistors are made of semiconductor ceramic material composed mainly of zinc oxides. They have non-linear resistance that changes as a function of applied voltage. This type has smaller size yet relatively high current capacity.

特性 (FEATRUES):

- 电压范围宽 (18~1800V) Wide varistor voltage (18~1800V)
- 响应速度快 ($\leq 50\text{ns}$) Fast response times($\leq 50\text{ns}$)
- 通流容量大 Great withstanding surge current
- 非线性系数高 Excellent non-linearity voltage
- 漏电流小 Low leakage current

应用 (APPLICATION):

- 半导体器件保护 Protection of semiconductor
- 家用电器浪涌过电压保护 Surge protection of consumer equipment
- 通信、测量、控制仪器浪涌过电压保护 Surge protection of communication, measuring and controller instrument
- 继电器、电磁阀操作过电压保护 Relay and electromagnetic valve surge absorption

型号 (PART NUMBER):

| | | | | | | | | |
|-------------------|---|---|----------------------|--------------------|-----------------------------|--------------------------|---|---|
| M | Y | G | 2 | 0 | K | 4 | 3 | 1 |
| 压敏电阻器 Varistor | | | 瓷片直径 Element Size | | 电压允许误差 Voltage Tolerance | 压敏电压 Varistor voltage | | |
| | | | 20 | $\phi 20\text{mm}$ | | K $\pm 10\%$ | 前两位数为有效数, 第三位表示零的个数 431: $43 \times 10^1=430\text{V}$ The first two digits are significant figures and the third one denotes number of zero following | |

产品外形尺寸 (DIMENSION):

| | 电压范围 range of voltage | 尺寸 Dimension | | | | |
|-----|--------------------------|--------------|------|-------------|--------------|--|
| | | Dmax | Tmax | $W \pm 1.0$ | $d \pm 0.05$ | |
| 20K | 387~473 | 23.5 | 7 | 10.0 | 0.80 | |