

# 产品规格书

标准系列号  
STANDARD SERIES No.

GB/T10195-1997

承认系列号  
SERIES No.

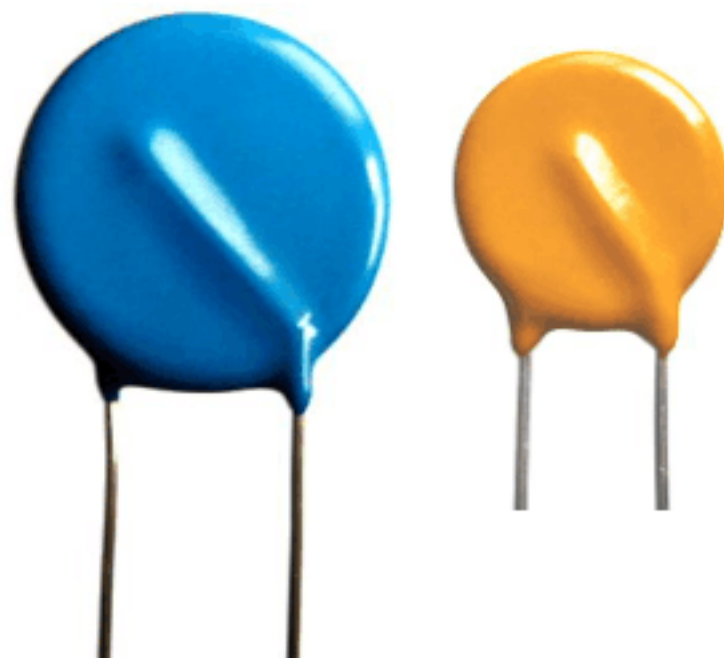
客户名称:

部品号 P/N: MYG10K301

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

$$V_{1MA} = 300V \pm 10\%$$

### 2. 通流容量 (8/20 $\mu$ S, 1次)

2500A

# 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

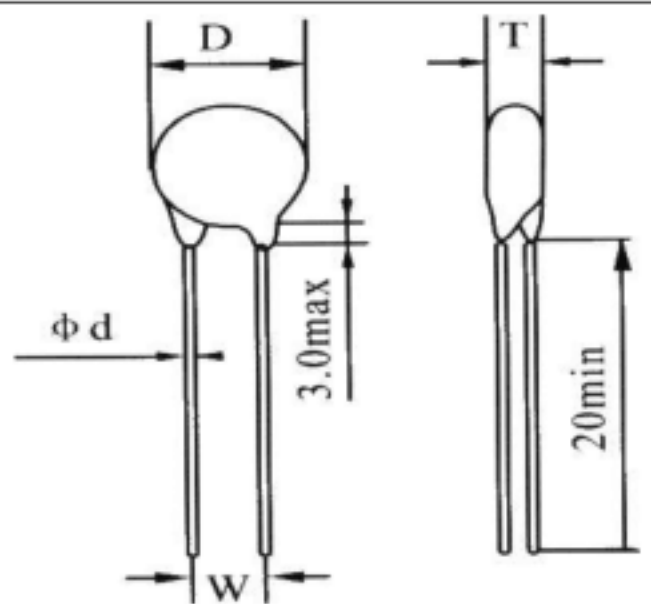
## 应用 (APPLICATION):

- 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	1	0	K	3	0	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		
			10	$\phi 10\text{mm}$		K	$\pm 10\%$	前两位数为有效数, 第三位表示零的个数    301: $30 \times 10^1 = 300\text{V}$ 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	$W \pm 1.0$	$d \pm 0.05$	
10K	270~330	13.5	6	7.5	0.80	

# 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 $\mu$ s)		能量耐量 Energy (2ms)	通流容量 withstanding surge current (8/20 $\mu$ 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)
MYG10K301	300 (270~330)	190	250	500	25	30	2500	1250	0.4	340

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