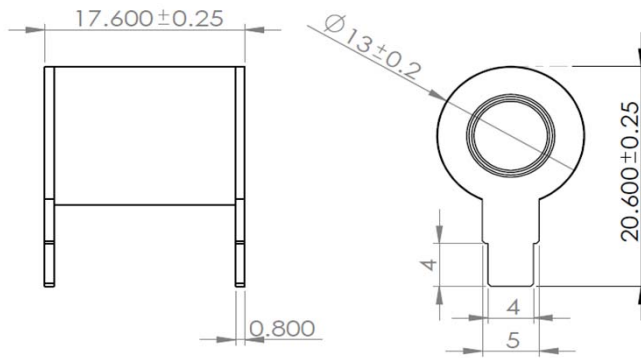




Dimensions in mm



PSC***HD2: 特殊引脚1 with special wire 2

简介DESCRIPTION

VACTech深圳威特科气体放电管是在放电间隙内充入适当的气体介质，配以高活性的电子发射材料及放电引燃机构，通过钎焊而制成的一种特殊的金属陶瓷结构的气体放电器件，它主要用于瞬时过电压保护。作为保护元件接入线路中时，对线路的正常工作几乎没有任何不利的影响，当有害的瞬时过电压窜入时，放电管首先被击穿放电，其阻抗迅速下降，几乎呈短路状态，此时，放电管将有害的电流通过地线泄给大地，同时将电压限制在放电管的弧光上（约20V左右），消除了有害的瞬时过电压和过电流，从而保护了线路及元件。当过电压消失后，放电管又迅速恢复到高阻抗状态，线路继续正常工作。

VACTech GDT's are designed for a high degree of surge protection at a low cost. The PSC** Series(75-6000V) is used for protecting equipment for which highervoltage limits and holdover voltages are necessary. Comgaps function as switches which dissipate a mini-mum amount of energy and therefore handle currents that far surpass other types of transient voltage protection.

特点FEATURES

- 快速响应时间Very fast response time
- 高稳定性Suitable for direct strikes
- 高通流量High Impulse Discharge Current
- 低电容Very low capacitance
- 高绝缘电阻High insulation resistance

应用APPLICATIONS

- 电力线 AC Power Lines
- Class II, C级 Class II (class C) - Requirements

认证APPROVALS

UL Recognized: File Number E318196

Meets RoHS

IEC 61643-11

订购信息

包装Package 空(Blank) = 散装Bulk

B=盒装Box

PSC 600 H L5

系列 Series

PSC

击穿电压

Breakdown Voltage

230 = 230V

350=350V

600 = 600V

800 = 800V

选项Options

L5=M5螺杆 M5 wire

D1,D2 = Special wire/ 特殊引线

Blank(空) = without wire 无引线

选项Options

Blank(空) = 正常版 Normal Version

H=加强版 Enhanced version

测试环境 (@ 25°C)

Parameter	Min	Typ	Max	Units
DC Breakdown Voltage 直流击穿电压	480	600	780	V
	640	800	1000	
Insulation Resistance 绝缘电阻	10 ¹⁰	-	-	Ω
Capacitance 电容	-	-	4	pF
Operational Temperature	-40	-	+125	°C

(See detailed specifications for more information. 详细参数请参照规格书)

参数规格SPECIFICATIONS

型号 Type	PSC600H	PSC800H						
订货号 Ordering information	2R13*18-600	2R13*18-800						
	PSC600HL5	PSC800HL5						
	2R13*18-600L5	2R13*18-800L5						
	PSC600HD2	PSC800HD2						
	2R13*18-600D2	2R13*18-800D2						
直流击穿电压1) DC break-down voltage 1)	480...760	640...1000						V
冲击击穿电压2) Impulse break-down voltage 2)	80..125	80..125						%
绝缘电阻3) Insulation resistance 3)	$\geq 1 \times 10^9$	$\geq 1 \times 10^9$						Ω
标称工频放电电流 4) Nominal AC discharge current 4)	300	300						A
T0V behaviour	up to 1,2 kV rms safe mode 300 A – 200ms	up to 1,2 kV rms safe mode 300 A – 200ms						
寿命试验5) Life Test 5)								
A. 预处理试验Preconditional test @255Vrms, 100Arms 15 shots 8/20us 动作负载试验Operating duty test @255Vrms, 5Arms 1 shot 10/350us (8/20us) +1 shot 10/350us (8/20us) +1 shot 10/350us (8/20us) +1 shot 10/350us (8/20us) +1 shot 10/350us (8/20us)	60	60						kA
	2 (10) 5 (20) 8 (30) 12 (60) 16(80)	2 (10) 5 (20) 8 (30) 12 (60) 16(80)						kA
	-	-						kA
	80	80						kA
	~24	~24						V
	~6.5	~6.5						g
印记: 红色, 正向 Marking: Red, Positive	VACTech 600 YY	VACTech 800 YY						

备注Remark:

- 1) 100 V/s测试波形, at 100 V/s
 - 2) 1.2/50us, 6KV 测试波形, at 1.2/50us, 6KV
 - 3) 除了90V和75V产品的测试电压为50 Vdc, 其余产品的测试电压为100Vdc (Except for 90V and 75V types measured at 50 Vdc, other types are measured at 100Vdc)
 - 4) TOV at a 1200V(50Hz 0.2 seconds) 50Hz 0.2s, 1次, 1 shots
 - 5) A项试验按IEC61643-11, B项试验按客户要求, C项试验方法按UL1449第三版。每项寿命试验采用新的放电管。
- Item A based on IEC61643-11, Item B based on customer's request, Item C based on UL1449 Ed3 .For each item new gas discharge tubes shall be used.

特性图PERFORMANCE CHARACTERISTICS

