
简介DESCRIPTION

hopesun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。

HOPESUN GDT's are designed for a high degree of surge protection at a low cost. It operate on the gas physical principle of the highly effective arc discharge. The R..8H(75V~1000V) Series is used for protecting equipment for which higher voltage 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

- 小尺寸Small size
- 快速响应时间Very fast response time
- 高稳定性Suitable for direct strikes
- 高雷击寿命Stable performance over life
- 低电容Very low capacitance
- 高绝缘电阻High insulation resistance

应用APPLICATIONS

- 通信线路Communication lines
- CATV设备CATV equipment
- 测试设备Test equipment
- 数据线, 电源Data lines, power supply
- 基站Basestation
- 医疗电子Medical electronics

认证APPROVALS

UL Recognized: File Number E326248

Meets RoHS

订购信息
ORDERING INFORMATION

包装信息Tape & Reel Information

RXXT- Tape & Reel (卷带) Quantity =600Pcs/Reel

RXXXB- Box (盒装) Quantity =100Pcs/Box

R 078H L

系列Series

尺寸dimension

8*6mm

击穿电压

Breakdown

Voltage

078 = 75V

098 = 90V

158 = 150V

238 = 230V

308 = 300V

358 = 350V

478 = 470V

608 = 600V

808 = 800V

1008 = 1000V

选项Options

SMD: Surface Mount Devices

表面贴装元件

L: With wire

有直引脚

Blank: without wire for holder

无引脚, 卡装

测试环境 (@ 25°C)

Parameter参数	Min最小	Typ标称	Max最大	Units单位
DC Breakdown Voltage 直流击穿电压	60	75	90	V
	72	90	108	V
	96	120	144	V
	120	150	180	V
	184	230	276	V
	240	300	360	V
	280	350	420	V
Insulation Resistance 绝缘电阻	376	470	564	V
	480	600	720	V
	640	800	960	V
	800	1000	1200	V
Capacitance 电容	-	-	1.5	pF
Operational Temperature	-40	-	+125	°C

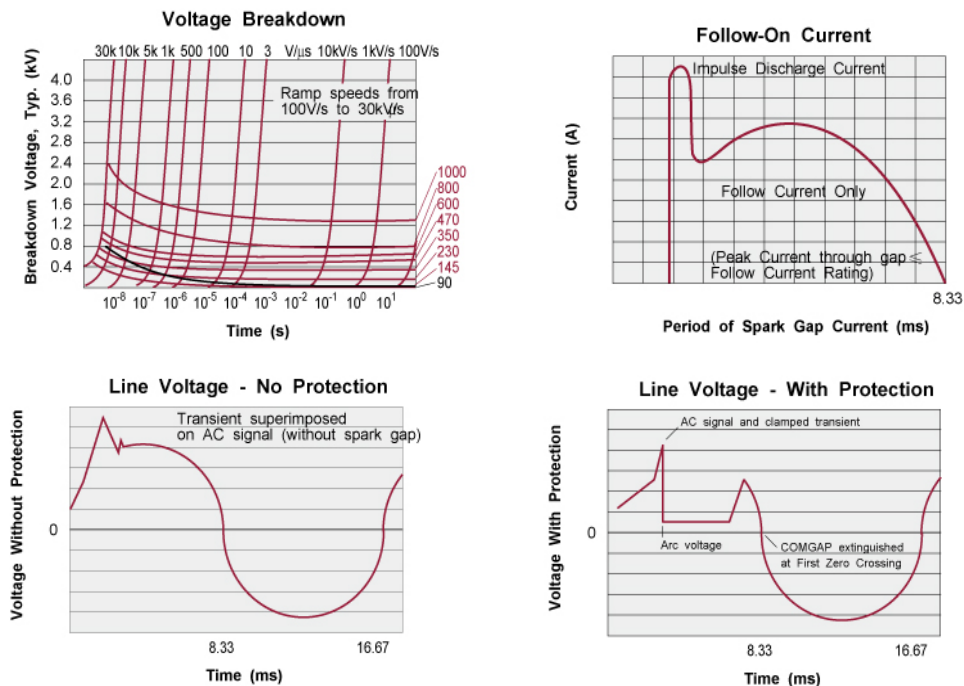
(See detailed specifications for more information. 详细参数请参照规格书)

参数规格SPECIFICATIONS

型号Type	R078H	R098H	R158H	R238H	R358H	R478H	R608H	
订货号 Ordering information	2R8X6-75H	2R8X6-90H	2R8X6-150H	2R8X6-230H	2R8X6-350H	2R8X6-470HL	2R8X6-600H	
	R078HL	R098HL	R158HL	R238HL	R358HL	R478HL	R608HL	
	2R8X6-75HL	2R8X6-90HL	2R8X6-150HL	2R8X6-230ML	2R8X6-350HL	2R8X6-470HL	2R8X6-600HL	
	R078HSMD	R098HSMD	R158HSMD	R238HSMD	R358HSMD	R478HSMD	R608HSMD	
	2R8X6-75HSMD	2R8X6-90HSMD	2R8X6-150HSMD	2R8X6-230HSMD	2R8X6-350HSMD	2R8X6-470HSMD	2R8X6-600HSMD	
直流击穿电压1) DC break-down voltage 1)	60...90	72...108	120...180	195...265	297...403	376...564	480...720	V
	80..120	80..120	80..120	80..120	80..120	80..120	80..120	%
冲击击穿电压2) Impulse break-down voltage 2)	≤600	≤600	≤700	≤700	≤1000	≤1200	≤1400	V
绝缘电阻3) Insulation resistance 3)	≥ 1*10 ⁹	≥ 1*10 ⁹	≥ 1*10 ⁹	≥ 1*10 ⁹	≥ 1*10 ⁹	≥ 1*10 ⁹	≥ 1*10 ⁹	Ω
标称工频放电电流 4) Nominal AC discharge current 4)	20	20	20	20	20	20	20	A
标称冲击放电电流 5) Nom. impulse discharge current 5)								
10次, 10 shots 8/20us	20	20	20	20	20	20	20	kA
1次, 1 shot 8/20us	25	25	25	25	25	25	25	kA
1次, 1 shot 10/350us	4	4	4	4	4	4	4	kA
300次, 300 shots 10/1000us	200	200	200	200	200	200	200	A
1500次, 1500 shots 10/1000us	10	10	10	10	10	10	10	A
弧光电压 (1A) Arc Voltage (at 1A)	~15	~15	~15	~15	~15	~15	~15	V
过保持电压 Holdover voltage	52	52	52	80	135	135	135	V
重量 Weight	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	g
印记: 蓝色, 正向 Marking: Red, Positive	HOPESUN 075	HOPESUN 090	HOPESUN 150	HOPESUN 230	HOPESUN 350	HOPESUN 470	HOPESUN 600	

备注Remark:

- 1) 100 V/s测试波形, at 100 V/s
- 2) 1KV/us 测试波形, at 1KV/us
- 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) 50 Hz, 1s, 10次, 10 shots
- 5) 每项寿命试验采用新的放电管 For each life test new gas discharge tubes shall be used

特性图PERFORMANCE CHARACTERISTICS


参数规格SPECIFICATIONS

型号 Type	R308H	R808H	R1008H					
订货号 Ordering information	2R8X6-300H	2R8X6-800H	2R8X6-1000H					
	R308HL	R808HL	R1008HL					
	2R8X6-300HL	2R8X6-800HL	2R8X6-1000HL					
	R308HSMD	R808HSMD	R1008HSMD					
	2R8X6-300HSMD	2R8X6-800HSMD	2R8X6-1000HSMD					
直流击穿电压1) DC break-down voltage 1)	240...360	640...960	800...1200					V
	80..120	80..120	80..120					%
冲击击穿电压2) Impulse break-down voltage 2)	≤800	≤1450	≤1500					V
绝缘电阻3) Insulation resistance 3)	≥ 1*10 ⁹	≥ 1*10 ⁹	≥ 1*10 ⁹					Ω
标称工频放电电流 4) Nominal AC discharge current 4)	20	20	20					A
标称冲击放电电流 5) Nom. impulse discharge current 5)								
10次, 10 shots 8/20us	20	20	20					kA
1次, 1 shot 8/20us	25	25	25					kA
1次, 1 shot 10/350us	4	4	4					kA
300次, 300 shots 10/1000us	200	200	200					A
1500次, 1500 shots 10/1000us	10	10	10					A
弧光电压 (1A) Arc Voltage (at 1A)	~15	~15	~15					V
过保持电压 Holdover voltage	135	135	135					V
重量 Weight	≤1.5	≤1.5	≤1.5					g
印记: 红色, 正向 Marking: Red, Positive	HOPESUN 300	HOPESUN 800	HOPESUN 1000					

备注Remark:

- 1) 100 V/s测试波形, at 100 V/s
- 2) 1KV/us 测试波形, at 1KV/us
- 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)
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