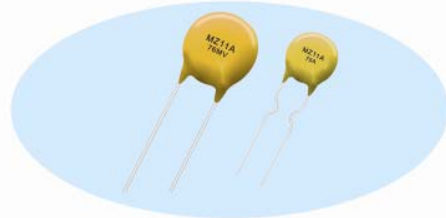


正温度系数(PTC)热敏电阻器

Positive temperature coefficient (PTC) thermistor

MZ11A 型灯丝预热用PTC热敏电阻器

MZ11A Filament Preheating PTC Thermistors



● 应用范围 Applications

用于各种荧光灯电子镇流器、电子节能灯中，不必改动线路，将适当的热敏电阻器直接跨接在灯管的谐振电容器两端，可以变电子镇流器、电子节能灯的硬启动为预热启动，使灯丝的预热时间达0.4~0.2秒，可延长灯管寿命三倍以上。

It can be applied in the electronic ballast of kinds of fluorescent lamps and electronic energy-saving lamps. No necessity to modify the circuitry. If proper thermistor is parallel connected on the two ends of resonant capacitor of lamps, cold startup of electronic ballast and electronic energy-saving lamps will turn into the Preheatstart up which can make the Preheatingtime reach 0.4~2S and extend the life of service to three times of the primary.

● 特点

◎ 利用材料PTC特性制作而成，产品体积小、耐电压高，寿命长、正常工作功耗小。

Characteristics

◎ Execution utilizing the characteristic of PTC material, Small size of product, High voltage resistance, Longevity of service, Low power when normally working.

● 产品标志说明 Specification



注: ① 型号 Model

② 开关温度: Temperature of switch

50~50℃ 75~75℃ 85~85℃ 105~105℃ 120~120℃

③ 类型代号 Type code

S-微型 Small type A-基本型 Basic type HV-高压型 High voltage type

B-加强型 Strengthen type BHV-超强型 Super strong type

④ 额定零功率电阻 Rated zero power resistance

102~1000Ω 68R~68Ω

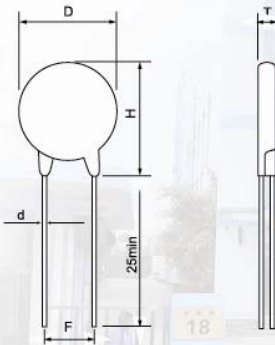
⑤ 电阻允差 Tol. of resistance

N-±30% V-±25% M-±20% K-±10% X-其它else

⑥ 引线形状 shape of lead

U-内弯 in-formed S-直形 straight A-轴弯 axis wind

● 外形结构和尺寸 Dimensions(mm)



规格 Part No.	D max	T max	F ± 1	D ± 0.05
S	4	4.5	5	0.5
L	5	4.5	5	0.6
A	6	4.5	5	0.6
HV	6	5	5	0.6
B	8	4.5	5	0.6
BHV	8	5	5	0.6
LB	9	4.5	5	0.6
M	11.5	5	5	0.6
SL	14.5	5	7.5	0.8
ML	18.5	5	7.5	0.8
ML	21	5	7.5	0.8

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● 主要技术参数 Main Techno-Parameter

序号 No	型号 Part No	额定零功率电阻值 (Ω) Rated Zero-power Resistance Rn(Ω)	耐压 (V _{AC}) Break Down Vol. (V _{AC})	最大工作电流 (mA) Max.W.C.I _{max} (mA)	开关温度 ($^{\circ}$ C) Switch Temp.T _{sw} ($^{\circ}$ C)	外形尺寸(mm) Dimensions(mm)						
						Dmax	Tmax	d				
01	MZ11A-50S101NU	100 \pm 30%	400	200	50 \pm 7	4	4.5	0.5				
02	MZ11A-50S151NU	150 \pm 30%	400									
03	MZ11A-50S471NU	470 \pm 30%	600									
04	MZ11A-50S152NU	1500 \pm 30%	600	100								
05	MZ11A-75S151NU	100 \pm 30%	400	200	75 \pm 7							
06	MZ11A-75S681NU	680 \pm 30%	600									
07	MZ11A-75S152NU	1500 \pm 30%	600			100						
08	MZ11A-105S68RNU	68 \pm 30%	360	200	105 \pm 7	4	4.5	0.5				
09	NZ11A-105S471NU	470 \pm 30%	500									
10	MZ11A-75S152NU	1500 \pm 30%	600						100			
11	M11A-50A151NU	150 \pm 30%	500	400	50 \pm 7				6	4.5	0.6	
12	MZ11A-50A471NU	470 \pm 30%	600									
13	MZ11A-50A681NU	680 \pm 30%	600									300
14	MZ11A-50A152NU	1500 \pm 30%	600	150								
15	MZ11A-75A151NU	150 \pm 30%	500	400		75 \pm 7						
16	MZ11A-75A471NU	470 \pm 30%	600									
17	MZ11A-75A681NU	680 \pm 30%	600		300							
18	MZ11A-75A102NU	1000 \pm 30%	600	150	105 \pm 7							
19	MZ11A-75A152NU	1500 \pm 30%	600				150					
20	MZ11A-105A101NU	100 \pm 30%	400				400	50 \pm 7				8
21	MZ11A-105A151NU	150 \pm 30%	400									
22	MZ11A-105A471NU	470 \pm 30%	600	300								
23	MZ11A-105A681NU	680 \pm 30%	600	300								
24	MZ11A-50HV151NU	150 \pm 30%	750	400	50 \pm 7							
25	MZ11A-50HV471NU	470 \pm 30%	900									
26	MZ11A-50HV6841NU	680 \pm 30%	900			250						
27	MZ11A-50HV152NU	1500 \pm 30%	900	150		75 \pm 7	6	5.0	0.6			
28	MZ11A-75HV151NU	150 \pm 30%	750	400								
29	MZ11A-75HV471NU	470 \pm 30%	900							400		
30	MZ11A-75HV681NU	680 \pm 30%	900		250							
31	MZ11A-75HV152NU	1500 \pm 30%	900	150								
32	MZ11A-50B101NU	100 \pm 30%	500	800	50 \pm 7					8	4.5	0.6
33	MZ11A-50B151NU	150 \pm 30%	500									
34	MZ11A-50B471NU	470 \pm 30%	600			450						
35	MZ11A-50B681NU	680 \pm 30%	600	300		105 \pm 7						
36	MZ11A-105B101NU	100 \pm 30%	500	800								
37	MZ11A-105B151NU	150 \pm 30%	500									
38	MZ11A-105B471NU	470 \pm 30%	600		450							

注：当预热时间偏短时，可选阻值较低、居里点温度较高或体积较大的PTC热敏电阻器，反之亦然。另，我公司还可按用户的特殊要求供货。

Remark: If the Preheating time is too short, PTC thermistor of low resistance, high curiertemp.or big bulk should be selected, vice versa. Besides, Peculiar manufacture capable according to the demands of users.