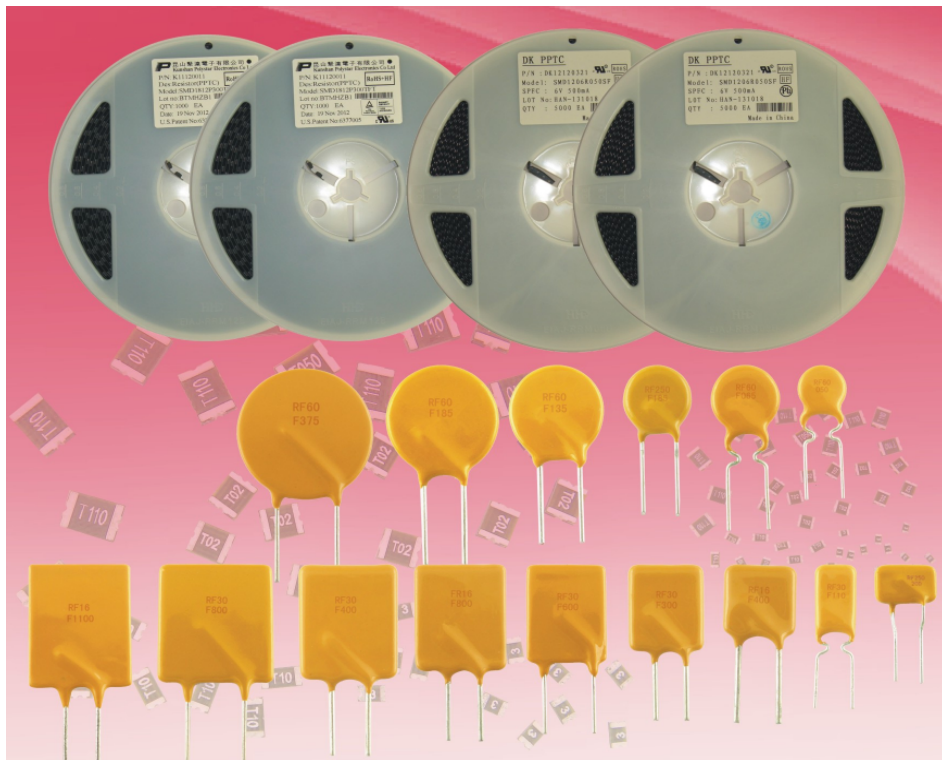


600R HF系列 PTC产品

600R HF Series PTC Devices



优良品质 · 诚信经营

一起携手 · 共创辉煌

电气特性
Performance Specification

Model	I _{hold} (A)	I _{trip} (A)	V _{max} (V)	V _r Max (V)	I _{max} (A)	Pd Typ. (W)	Maximum Time To Trip		Resistance		
							Current (A)	Time (Sec)	Ri min (Ω)	Ri max (Ω)	R1 max (Ω)
600R030	0.03	0.06	400	60	3.0	1.0	0.5	5.0	70	120	200
600R050	0.05	0.10	400	60	3.0	1.0	0.5	5.0	50	90	350
600R110	0.11	0.22	400	60	3.0	1.5	0.55	5.0	10	19	30
600R150	0.15	0.30	400	60	3.0	1.5	0.75	5.0	6.0	12.0	18.0
600R160	0.16	0.32	400	60	3.0	1.5	0.80	5.0	4.0	10.0	15.0
600R200	0.20	0.40	400	60	3.0	1.5	1.0	10	5.0	9.0	14.0

V_{max} = Maximum operating voltage device can withstand without damage at rated current (I_{max}).

I_{max} = Maximum fault current device can withstand without damage at rated voltage (V_{max}).

I_{hold} = Hold Current. Maximum current device will not trip in 25°C still air.

I_{trip} = Trip Current. Minimum current at which the device will always trip in 25°C still air.

Pd = Power dissipation when device is in the tripped state in 25°C still air environment at rated voltage.

Ri min/max = Minimum/Maximum device resistance prior to tripping at 25°C.



R1max = Maximum device resistance is measured one hour post reflow.

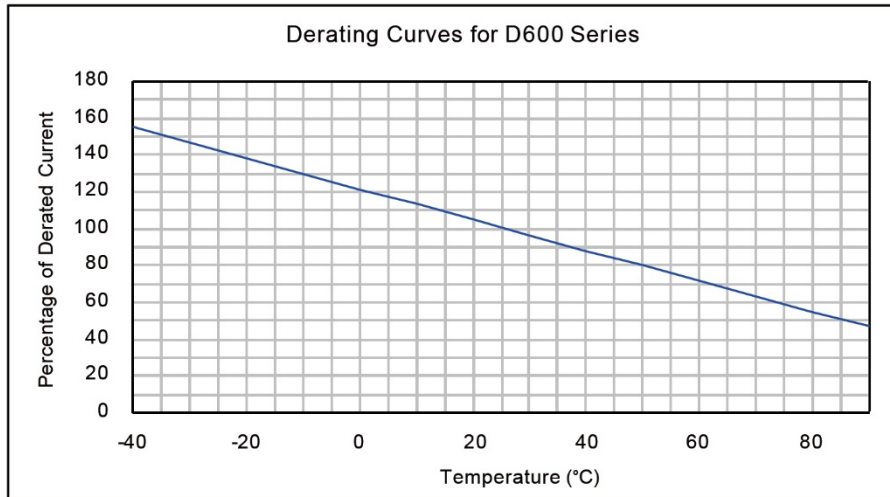
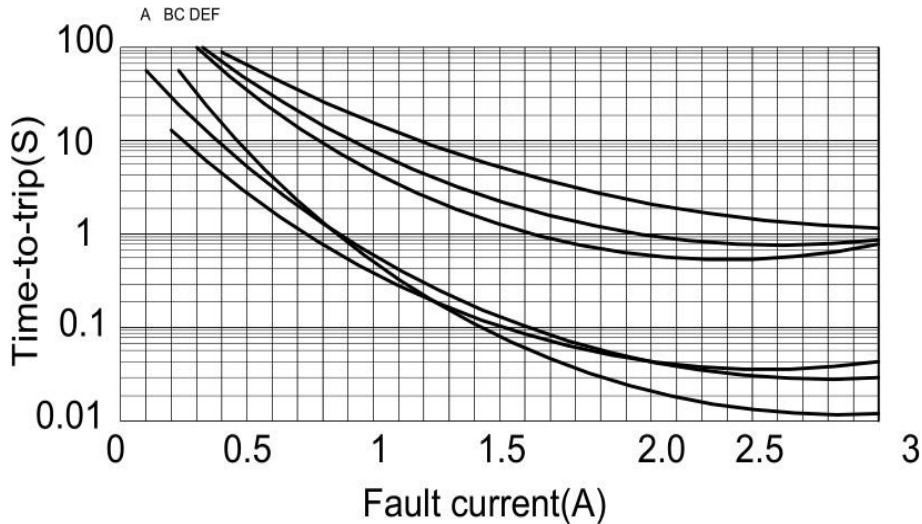
CAUTION: Operation beyond the specified ratings may result in damage and possible arcing and flame.

环境规范
Environmental Specifications

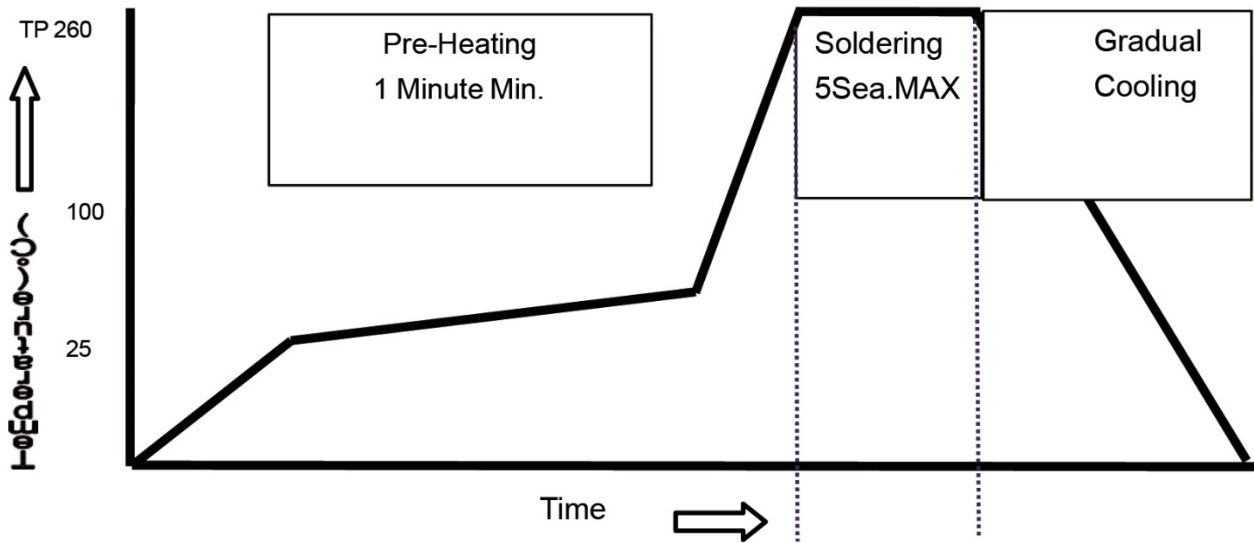
Test	Conditions	Resistance change
Passive aging	+85°C, 1000 hrs.	±5% typical
Humidity aging	+85°C, 85% R.H. , 168 hours	±5% typical
Thermal shock	+85°C to -40°C, 20 times	±33% typical
Resistance to solvent	MIL-STD-202, Method 215	No change
Vibration	MIL-STD-202, Method 201	No change
Ambient operating conditions: -40°C ~+85°C		
Maximum surface temperature of the device in the tripped state is 125°C		

安规认证及环保检测
Agency Approval and Environmental Compliance

Agency	File Number	Regulation	Standard
UL	pending		2002/95/EC
TUV	pending		EN14582

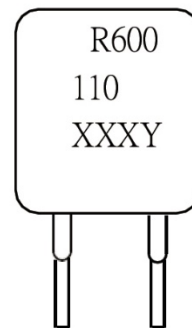
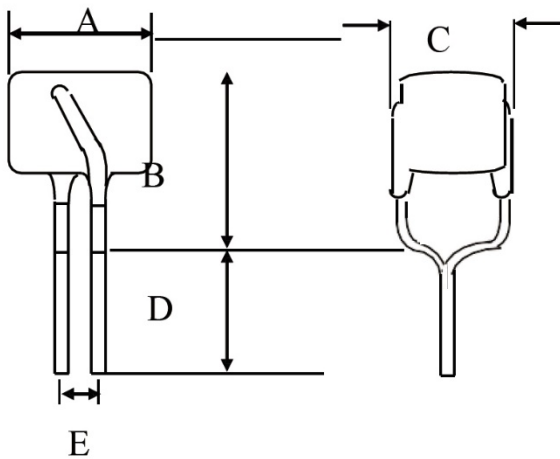
环境温度与工作电流关系特性图
Thermal Derating Curve

在 25°C 跳闸保护时间曲线表
Average Time-Current Curve

PPTC 在不同环境温度下的保持电流(I hold)值
I Hold Versus Temperature

Model	Maximum ambient operating temperature (T_{mao}) vs. hold current (I_{hold})								
	-40°C	-20°C	0°C	25°C	40°C	50°C	60°C	70°C	85°C
600R030	0.04	0.039	0.036	0.03	0.026	0.024	0.021	0.02	0.017
600R050	0.075	0.065	0.06	0.05	0.044	0.04	0.0355	0.033	0.028
600R110	0.170	0.150	0.130	0.110	0.09	0.08	0.07	0.06	0.05
600R150	0.233	0.206	0.178	0.150	0.124	0.110	0.096	0.083	0.062
600R160	0.249	0.219	0.190	0.160	0.132	0.117	0.103	0.088	0.066
600R200	0.29	0.26	0.24	0.20	0.176	0.16	0.142	0.132	0.112

产品过炉焊接参数
Soldering Parameters

WAVE SOLDERING INFORMATIONS

Pre-Heating Zone	Max. ramping rate should not exceed 4°C/Sec.
Soldering Zone	Max. solder temperature should not exceed 260°C
Cooling Zone	Cooling by natural convection in air.

© Specifications are subject to change without notice.

产品尺寸规格
Physical Dimensions


R = Trademark
 600= Radial type 400Vrms
 110 = 0.11A hold current
 XXX== Date code
 Y= Factory code

1 型

Model	A Max.	B Max.	C Max.	D Min.	E Typ.	Lead	
						Style	直径(Φ)
600R030	7.0	11.5	6.0	7.6	5.1	1	0.60
600R050	7.0	11.5	6.0	7.6	5.1	1	0.60
600R110	7.0	11.5	6.0	7.6	5.1	1	0.60
600R150	14.5	12.6	6.0	7.6	5.1	1	0.80
600R160	14.5	12.6	6.0	7.6	5.1	1	0.80
600R200	19.5	9.5	6.0	7.6	5.1	1	0.80

PHYSICAL SPECIFICATIONS:

Materials:

600R030~110: Tin-plated copper-clad steel, 22AWG, Φ 0.60 mm(0.026 in).

600R150~200: Tin-plated copper-clad steel, 22AWG, Φ 0.80 mm(0.026 in).

Lead Solderability: MIL-STD-202, Method 208E

包装数量
Packaging Quantity

600	110	U	Model	Reel Q'ty	Bag Q'ty
Radial type	Hold	U= Bulk	600R030~600R200	-	500
400V	Current(A)	packaged			

Tape & Reel packaging per EIA468-B standard.