APPROVAL SHEET

MODEL NO.：_____

CUSTOMER：

CUSTOMER'S APPROVAL：

AUTHORIZED SIGNATURE/STAMP DATE

MANUFACTURER:

The Fourth Industrial Zone,Luokeng Village, Xiaotie District, Xiaojinkou Town, Huizhou City, Guangdong Province, China

Tel: 0752-7213069/7213070

Fax: 0752-7213065

Submitted by:
Approved by:
Date:

Performance Specification

Model	V_{max} (Vdc)	I_{max} (A)	I_{hold} (A)	I_{trip} (A)	P_d Typ. (W)	Maximum Time To Trip		Resistance		
						Current (A)	Time (Sec)	Rimin (Ω)	Rimax (Ω)	R1max (Ω)
30R050	30	40	0.50	1.00	0.50	8.00	0.3	0.230	0.450	0.730
30R065	30	40	0.65	1.30	0.50	8.00	0.4	0.160	0.350	0.550
30R075	30	40	0.75	1.50	0.88	8.0	0.4	0.160	0.280	0.420
30R090	30	40	0.90	1.80	0.91	4.50	5.9	0.120	0.230	0.360
30R110	30	40	1.10	2.20	1.00	5.50	6.6	0.090	0.180	0.270
30R135	30	40	1.35	2.70	1.11	6.75	7.3	0.075	0.130	0.195
30R160	30	40	1.60	3.20	1.20	8.00	8.0	0.050	0.110	0.165
30R185	30	40	1.85	3.70	1.27	9.25	8.7	0.040	0.100	0.150
30R200	30	40	2.00	4.00	1.30	12.5	10.3	0.038	0.070	0.105
30R250	30	40	2.50	5.00	1.34	12.5	10.8	0.025	0.060	0.097
30R300	30	40	3.00	6.00	2.00	15.0	10.8	0.020	0.055	0.085
30R400	30	40	4.00	8.00	2.50	20.0	12.7	0.010	0.040	0.060
30R500	30	40	5.00	10.00	3.00	25.0	14.5	0.010	0.035	0.052
30R600	30	40	6.00	12.00	3.50	30.0	16.0	0.008	0.025	0.038
30R700	30	40	7.00	14.00	3.80	35.0	17.5	0.005	0.020	0.030
30R800	30	40	8.00	16.00	4.00	40.0	18.8	0.005	0.0135	0.020
30R900	30	40	9.00	18.00	4.20	40.0	20.0	0.004	0.0105	0.020

V max = Maximum operating voltage device can withstand without damage at rated current (Imax).

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.

Environmental Specifications

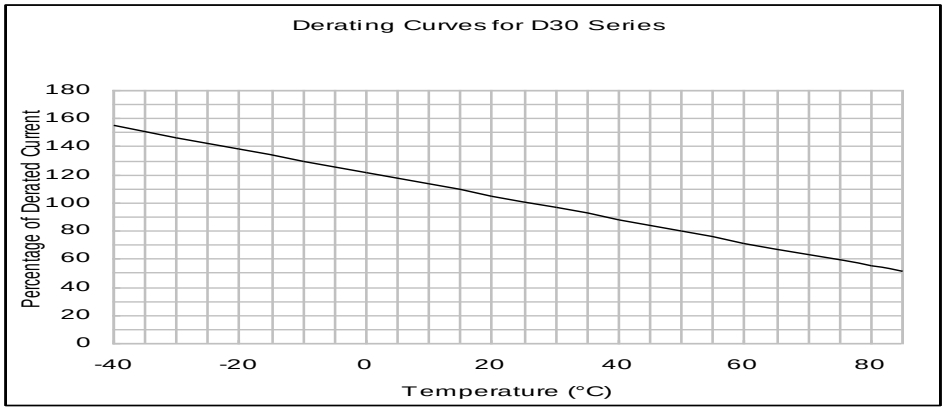
Test	Conditions	Resistance change
Passive aging	+85°C, 1000 hrs.	±5% typical
Humidity aging	+85°C, 85% R.H. , 168 hours	±5% typical
Thermal shock	+85°C to -40°C, 20 times	±33% typical
Resistance to solvent	MIL-STD-202,Method 215	No change
Vibration	MIL-STD-202,Method 201	No change
Ambient operating conditions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

Agency Approval and Environmental Complianc

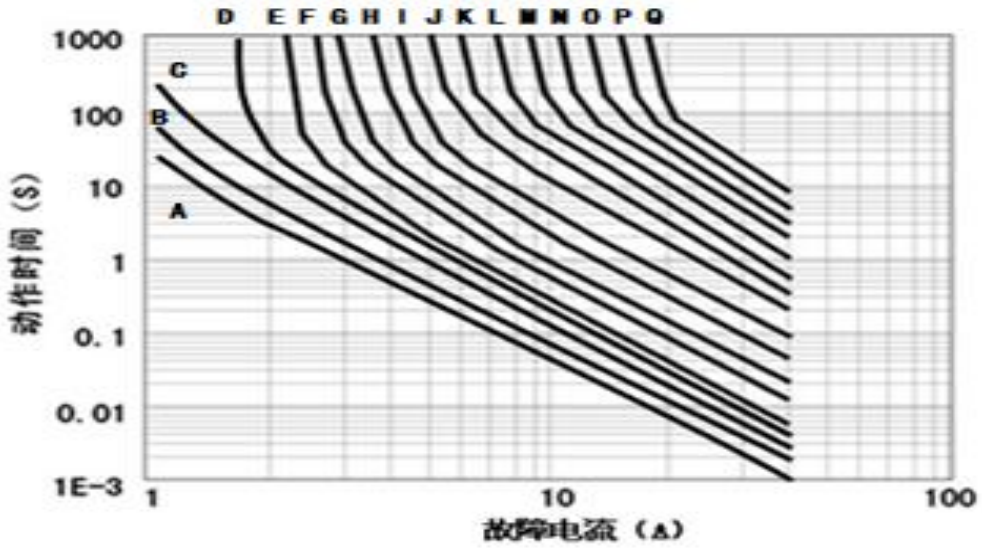
Agency	File Number
UL	pending
TUV	pending

Regulation	Standard
Pb RoHS	2002/95/EC
HF	EN14582

Thermal Derating Curve



Average Time-Current Curve

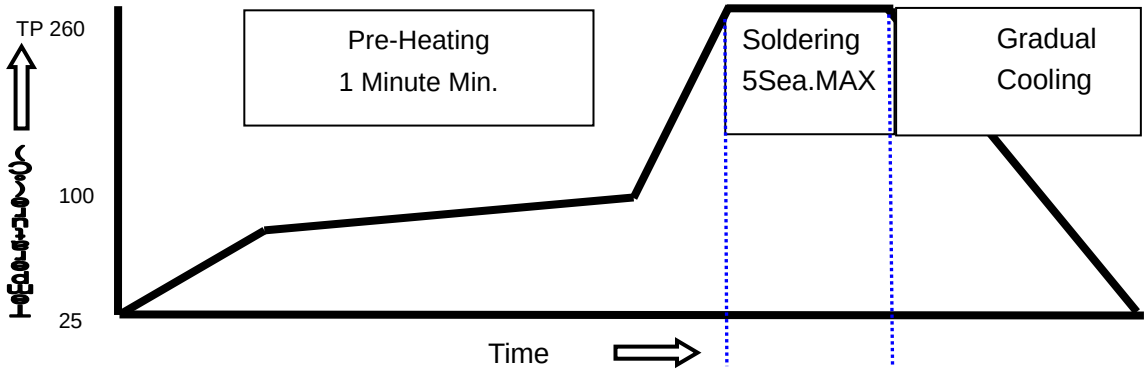


A=30-050 B=30-065 O=30-700
C=30-075 D=30-090 P=30-800
E=30-110 F=30-135 Q=30-900
G=30-160 H=30-185
I=30-200 J=30-250
K=30-300 L=30-400
M=30-500 N=30-600

Ihold 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
30R050	0.68	0.62	0.56	0.50	0.44	0.40	0.36	0.34	0.28
30R065	0.95	0.84	0.76	0.65	0.60	0.54	0.50	0.40	0.31
30R075	1.07	0.97	0.87	0.75	0.66	0.61	0.56	0.51	0.44
30R090	1.40	1.25	1.10	0.90	0.75	0.69	0.65	0.60	0.50
30R110	1.75	1.52	1.33	1.10	0.99	0.90	0.80	0.73	0.63
30R135	2.15	1.94	1.70	1.35	1.20	1.14	1.00	0.90	0.81
30R160	2.49	2.21	1.94	1.60	1.42	1.31	1.19	1.03	0.88
30R185	2.87	2.59	2.28	1.85	1.63	1.52	1.33	1.21	1.05
30R200	2.95	2.69	2.38	2.00	1.73	1.62	1.43	1.25	1.09
30R250	3.82	3.44	3.03	2.50	2.17	2.00	1.81	1.59	1.39
30R300	4.55	4.10	3.60	3.00	2.65	2.51	2.24	2.01	1.74
30R400	6.00	5.40	4.74	4.00	3.47	3.28	2.82	2.63	2.26
30R500	7.44	6.68	5.80	5.00	4.30	4.03	3.58	3.22	2.77
30R600	8.90	7.99	7.08	6.00	5.13	4.82	4.27	3.84	3.30
30R700	10.35	9.30	8.21	7.00	5.95	5.58	4.96	4.46	3.84
30R800	11.60	10.60	9.35	8.00	6.79	6.36	5.64	5.07	4.36
30R900	13.25	11.90	10.49	9.00	7.53	7.12	6.32	5.69	4.88

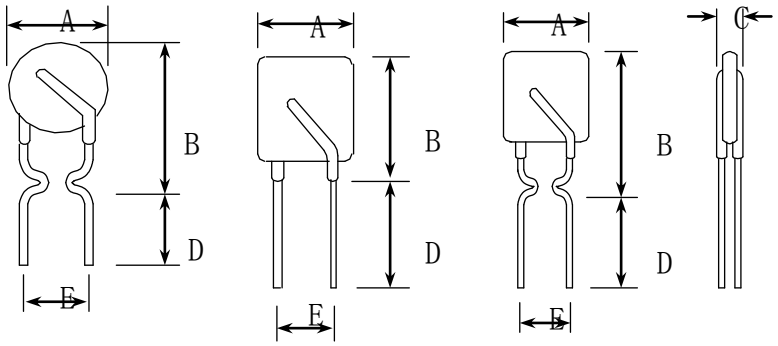
Soldering Parameters



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

◎Specifications are subject to change without notice.

Physical Dimensions(mm.)



R = Trademark
30= Radial type 30 Vrms
135 = 1.35A hold current
XXX=日期
Y=代碼

1 型 **2 型** **3 型**

Model	A Max.	B Max.	C Max.	D Min.	E Typ.	Lead Style	Lead 直径 （φ）
30R050	6. 4	12. 4	3.1	7.6	5.1	1	0.5
30R065	6. 4	12. 4	3.1	7.6	5.1	1	0.5
30R075	7. 6	14	3.1	7.6	5.1	1	0.6
30R090	7.4	14.8	3.1	7.6	5.1	3	0.6
30R110	7.8	15.0	3.1	7.6	5.1	3	0.6
30R135	8.9	14.5	3.1	7.6	5.1	3	0.6
30R160	9.7	17.0	3.1	7.6	5.1	3	0.6
30R185	10.7	17.0	3.1	7.6	5.1	3	0.6
30R200	11.5	19.0	3.1	7.6	5.1	3	0.6
30R250	11.7	19.0	3.1	7.6	5.1	3	0.6
30R300	11.7	17.5	3.1	7.6	5.1	2	0.8
30R400	14.6	19.9	3.1	7.6	5.1	2	0.8
30R500	18.0	21.0	3.1	7.6	10.2	2	0.8
30R600	17.0	24.0	3.1	7.6	10.2	2	0.8
30R700	22.0	27.5	3.1	7.6	10.2	2	0.8
30R800	25.0	28.5	3.0	7.6	10.2	2	0.8
30R900	27.0	30.5	3.0	7.6	10.2	2	0.8

PHYSICAL SPECIFICATIONS :

Materials : Leads 30R050 ~ 065; Tin-platedcopper-cladsteel,0.205mm2(24AWG),Φ0.50mm(0.020in).
30R075 ~ 250: Tin-plated copper,0.205mm2(24AWG),Φ0.60mm(0.020in).
30R300 ~ 900: Tin-plated copper, 0.52mm2 (20AWG), Φ0.80mm(0.032 in).

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

Device Labeling : Device is marked with Logo, amperage rating , voltage rating & date code.

Packaging Quantity

30	135	U	Model	Reel Q'ty	Bag Q'ty
Radial type	Hold	U= Bulk	30R050~900	-	500
30V	Current(A)	packaged			

Tape & Reel packaging per EIA468-B standard.