SEA & LAND ELECTRONIC CORP.
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ALPHA-TOP TECHNOLOGY CORP.
WWW.ALPHA-TOP.COM

APPROVAL SHEET

MODEL NO.： R30-075

CUSTOMER：

CUSTOMER'S APPROVAL：

AUTHORIZED SIGNATURE/STAMP：

DATE

MANUFACTURER:

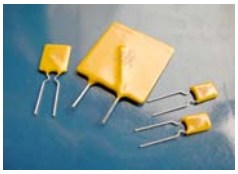
HEAD OFFICE:

13F.,No.120-10,Sec.3,Zhongshan Rd.,Zhonghe Dist.,New Taipei City 23544,Taiwan
Tel: 886-2-8221-2567
Fax:882-2-2225-7268
E-mail:service@chipfast.com.tw

China Branch:

31 Chang-Xin-Zon Road,Gao-Ling Industrial Zone,Chiu-chang Town,
Huey Yang Distric,Huey Zhou City,Guang Dong516221,CHINA
Tel: 86-752-3562001
Fax:86-752-3558696
E-mail:service@atpptc.com

Submitted by: Chung Cheng
Approved by: YC Lin
DATE: 10-Jan-13



Features

- Radial Leaded Devices
- Cured, flame retardant epoxy polymer insulating material meets UL 94V-0 requirements
- Bulk packaging,or tape and reel available on most models

Applications

Almost anywhere there is a low voltage power supply, up to 60V and a load to be protected, including:

- Industrial controls
- Automotive electronics
- Medical products

R30-075

Alpha-Top (Sea & Land Alliance)

Electrical Properties

Model	V_{max}	I_{max}	I_{hold}	I_{trip}	P_d	Maximum Time To Trip		Resistance			Agency Approval	
					Typ.	Current	Time	Rimin	Rimax	R1max	UL	TUV-PS
	(Vdc)	(A)	(A)	(A)	(W)	(A)	(Sec)	(Ω)	(Ω)	(Ω)		
R30-075	30	40	0.75	1.50	0.48	8.0	0.4	0.100	0.250	0.375		

Ihold = Hold Current : maximum current device will sustain for 4 hours without tripping in 25°C still air.
Itrip = Trip Current : minimum current at which the device will trip in 25°C still air.
V_{max} = Maximum voltage device can withstand without damage at rated current $_{max}$).
I_{max} = Maximum fault current device can withstand without damage at rated voltage $_{max}$).
Pd = Power dissipated from device when in the tripped state at 25°C still air.
Ri min/max = Minimum/Maximum resistance of device in initial (un-soldered) state.
R1 max = Maximum resistance of device at 25°C measured one hour after tripping.
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.,1000 hrs	±5% typical
Thermal shock	+85°C to -40°C, 20 times	±10% typical
Resistance to solvent	MIL-STD-202,Method 215	No change
Vibration	MIL-STD-202,Method 201	No change
Ambient operating /storage conditions : - 40 °C to +85 °C		
Maximum surface temperature of the device in the tripped state is 125 °C		

Agency Approvals : **UL pending**

Regulation/Standard: Pb RoHS **2002/95/EC**

HF **EN14582**

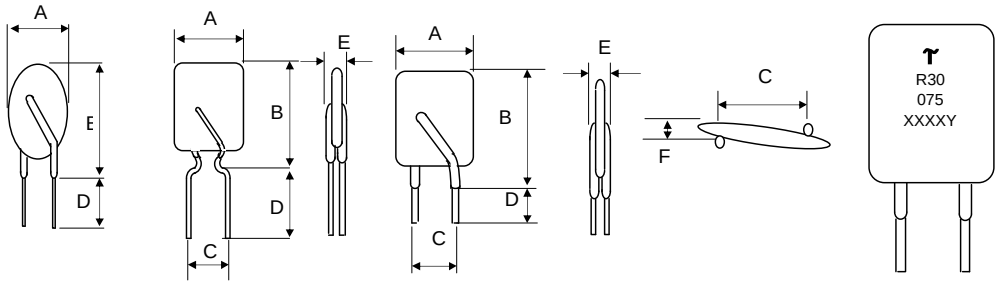
WARNING:

· Use PPTC beyond the maximum ratings or improper use may result in device damage and possible electrical arcing and flame.
· PPTC are intended for protection against occasional over current or over temperature fault conditions and should not be used when repeated fault conditions or prolonged trip events are anticipated.
· Device performance can be impacted negatively if devices are handled in a manner inconsistent with recommended electronic, thermal, and mechanical procedures for electronic components.
· Use PPTC with a large inductance in circuit will generate a circuit voltage (L di/dt) above the rated voltage of the PPTC.
· Avoid impact PPTC device its thermal expansion like placed under pressure or installed in limited space.

Physical Dimensions (Unit: mm/inch)

Model	A Max.	B Max.	C Typ.	D Min.	E Max.	F Max.	Lead Style
R30-075	7.4/0.29	11.4/0.45	5.1/0.20	7.6/0.3	3.0/0.12	1.2/0.05	Straight

Dimensions



™ = Trademark
R30 = Radial type 30 Vrms
075 = 0.75A hold current
XXXX = Date code
Y = Factory code

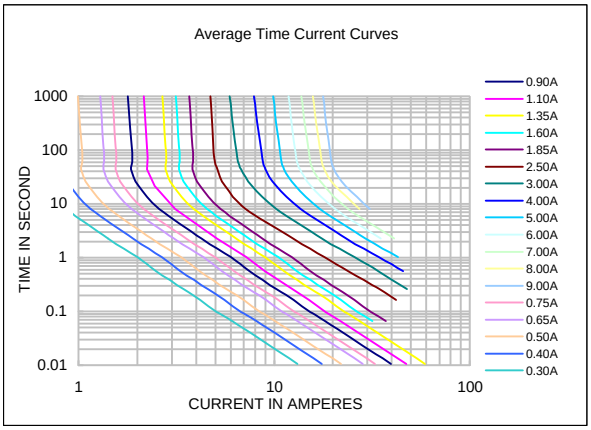
Physical Characteristics

Lead Material :

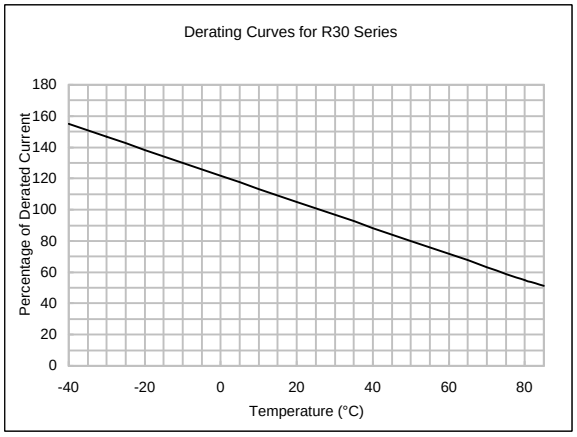
R30-075 : Tin-plated copper-clad steel, 0.205mm² (24AWG), Φ0.51mm(0.020 in).

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

Typical time-to-trip curve at 25°C



Thermal derating curve



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
R30-075	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00

Order information

R30	075	K or S	R or U
Radial type 30 V	Hold Current 0.75A	K= Kink leads S=Straight leads	 R=Tape&reel U= Bulk packaged

Packing

Model	Reel Q'ty	Bag Q'ty
R30-075	-	500

Tape & Reel packaging per EIA468-B standard.

Labeling Information

Sea & Land Electronic Corp.

HF Pb RoHS

Model:
Part no.:
Spec.:
Lot no.:
Q'ty:

倉儲：密封！溫度：18～33℃/濕度：30～60％ A