



SEA & LAND ELECTRONIC CORP.

WWW.SEALAND-PPTC.COM



ALPHA-TOP TECHNOLOGY CORP.

WWW.ALPHA-TOP.COM

APPROVAL SHEET

MODEL NO.: R30-040

CUSTOMER:

CUSTOMER'S APPROVAL:

AUTHORIZED SIGNATURE/STAMP:

DATE

MANUFACTURER:

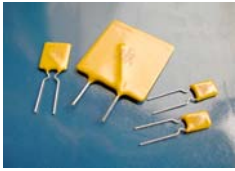
HEAD OFFICE:

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

R30-040

Alpha-Top (Sea & Land Alliance)

Electrical Properties

Model	V _{max} (Vdc)	I _{max} (A)	I _{hold} (A)	I _{trip} (A)	P _d Typ. (W)	Maximum Time To Trip		Resistance			Agency Approval	
						Current (A)	Time (Sec)	R _{imin} (Ω)	R _{imax} (Ω)	R _{1max} (Ω)	UL	TUV-PS
R30-040	30	40	0.40	0.80	0.45	8.00	0.3	0.250	0.430	0.645		

I_{hold} = Hold Current : maximum current device will sustain for 4 hours without tripping in 25°C still air.
I_{trip} = 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 (*I_{max}*).
I_{max} = Maximum fault current device can withstand without damage at rated voltage (*V_{max}*).
P_d = Power dissipated from device when in the tripped state at 25°C still air.
R_{i min/max} = Minimum/Maximum resistance of device in initial (un-soldered) state.
R_{1 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:



2002/95/EC

EN14582

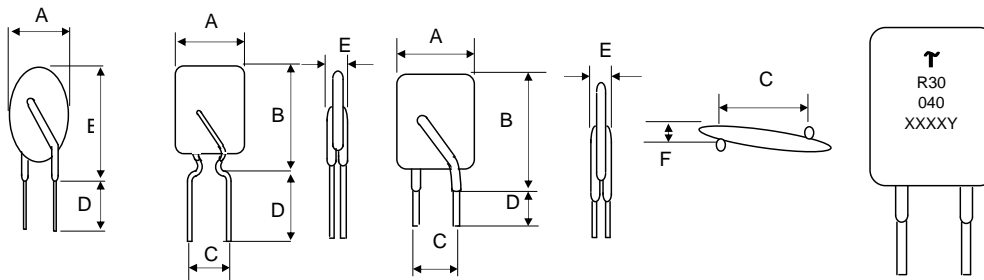
! WARNING:

- 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
R30-040	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
- 040 = 0.40A hold current
- XXXX = Date code
- Y = Factory code

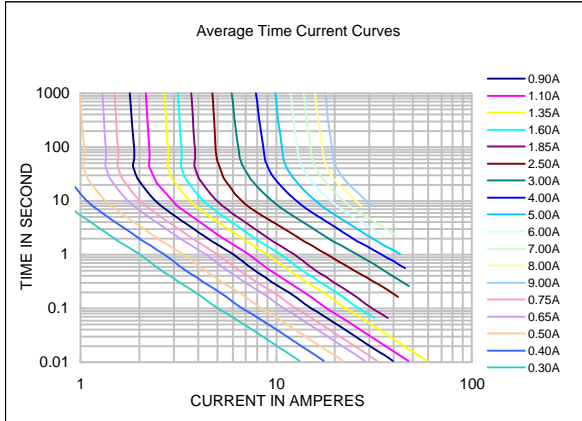
Physical Characteristics

Lead Material :

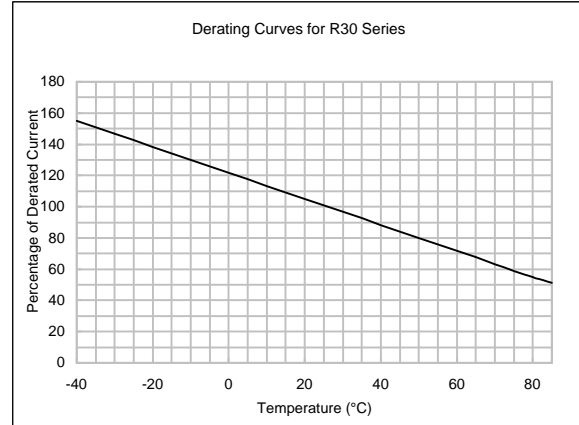
R30-040 : Tin-plated copper-clad steel, 0.205mm² (24AWG), Φ 0.51mm(0.020 in).

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
R30-040	0.58	0.52	0.46	0.40	0.33	0.31	0.27	0.24	0.21

Order information

Packing

R30	040	K or S	R or U	Model	Reel Q'ty	Bag Q'ty
Radial type 30 V	Hold Current 0.40A	K= Kink leads S= Straight leads	R=Tape&reel U= Bulk packaged	R30-040	-	500

Tape & Reel packaging per EIA468-B standard.

Labeling Information

Sea & Land Electronic Corp.

HF RoHS

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

倉儲: 密封! 溫度: 18~33°C/濕度: 30~60% A

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Resettable Fuses - PPTC](#) category:

Click to view products by [TECHFUSE](#) manufacturer:

Other Similar products are found below :

[RF0077-000](#) [RF2534-000](#) [RF3256-000](#) [RF3281-000](#) [RF3301-000](#) [RF3344-000](#) [RF3382-000](#) [SMD125-2](#) [RF2171-000](#) [RF2531-000](#) [RF2873-000](#) [RF3060-000](#) [TR600-150Q-B-0.5-0.130](#) [RXE090](#) [5E4795/04-1502](#) [TRF250-080T-B-1.0-0.125](#) [SMD100-2](#) [NIS5452MT1TXG](#) [NIS5431MT1TXG](#) [SMD250-2](#) [0ZCM0001FF2G](#) [0ZCM0003FF2G](#) [0ZCM0004FF2G](#) [BK60-017-DZ-E0.6](#) [F95456-000](#) [LVR100S](#) [RS30-090](#) [RS30-600](#) [RS30-700](#) [RS30-800](#) [RS30-900](#) [RS60RB-005](#) [RS60RB-010](#) [RS60RB-020](#) [RS60RB-025](#) [RS60RB-050](#) [RS60RB-075](#) [RS60RB-160](#) [SMD1206-300C-12V](#) [SB250-145](#) [SB250-030](#) [SB250-040](#) [SB250-200](#) [SB250-600](#) [SMD0805-005-24V](#) [SMD0805-050-16V](#) [SMD1210-005-60V](#) [SMD0805-005](#) [R60-375](#) [SMD0805K110SF6V](#)