

Application:	Line voltage power supply, transformr and appliances product.
Product Features:	Solid State, Radial-Leaded product ideal for up to 120 VAC/VDC
Operation Current:	100mA ~ 3.75A
Maximum Voltage:	120VAC / VDC
Maximum Interrupt Voltage:	135VAC/VDC
Temperature Range:	-40°C to 85°C
Agency Recognition:	UL, TUV, C-UL

Electrical Characteristics (23°C)

Part Number	Hold Current	Trip Current	Max. Time to Trip	Maximum Current	Max. Oper. Voltage	Max. Int. Voltage	Typical Power	Resistance Tolerance	
	IH, A	IT, A	at 5xIH	IMAX, A	VMAX, VAC/DC	VI-MAX, VAC/DC		RMIN	R1MAX
							Pd, W	ohms	ohms
RVL010-120F	0.10	0.20	10.00	2.0	120	135	0.84	3.00	7.50
RVL017-120F	0.17	0.34	10.0	2.0	120	135	0.84	2.00	7.00
RVL020-120F	0.20	0.40	9.0	2.0	120	135	1.08	1.83	4.40
RVL025-120F	0.25	0.50	7.5	3.0	120	135	1.08	1.25	3.00
RVL030-120F	0.30	0.60	8.5	3.0	120	135	1.44	0.88	2.10
RVL040-120F	0.40	0.80	6.5	3.0	120	135	1.44	0.55	1.29
RVL050-120F	0.50	1.00	6.0	3.0	120	135	1.56	0.50	1.17
RVL065-120F	0.65	1.30	5.7	5.0	120	135	1.68	0.31	0.72
RVL070-120F	0.75	1.50	6.3	5.0	120	135	1.80	0.25	0.60
RVL075-120F	0.75	1.50	15.0	7.5	120	135	2.64	0.25	0.69
RVL090-120F	0.90	1.80	7.2	5.0	120	135	1.80	0.20	0.47
RVL100-120F	1.00	2.00	15.0	10.0	120	135	2.64	0.18	0.47
RVL110-120F	1.10	2.20	8.2	8.0	120	135	2.28	0.15	0.38
RVL125-120F	1.25	2.50	20.0	12.5	120	135	2.88	0.11	0.33
RVL130-120F	1.35	2.70	9.6	10.0	120	135	2.64	0.12	0.30
RVL135-120F	1.35	2.70	20.0	13.5	120	135	3.12	0.11	0.30
RVL160-120F	1.60	3.20	11.4	12.0	120	135	3.12	0.09	0.22
RVL185-120F	1.85	3.70	12.6	12.0	120	135	3.36	0.08	0.19
RVL200-120F	2.00	4.20	36.0	20.0	120	135	4.32	0.08	0.21
RVL250-120F	2.50	5.00	15.6	15.0	120	135	4.44	0.05	0.13
RVL300-120F	3.00	6.00	19.8	17.0	120	135	4.56	0.04	0.10
RVL375-120F	3.75	7.50	24.0	20.0	120	135	4.80	0.03	0.08

IH: Hold current-maximum current at which the device will not trip at 23°C still air.

IT: Trip current-minimum current at which the device will always trip at 23°C still air.

V MAX: Maximum voltage device can withstand without damage at its rated current.

I MAX: Maximum fault current device can withstand without damage at rated voltage (V max).

Pd: Typical power dissipated from device when in the tripped state in 23°C still air environment.

RMIN: Minimum device resistance at 23°C.

R1MAX: Maximum device resistance at 23°C, 1 hour after tripping .

Physical specifications:

Lead material: RVL010-120F~RVL017-120F Tin Plated copper, 24AWG

RVL020-120F~RVL090-120F Tin Plated copper, 22 AWG.

RVL075-120F~RVL375-120F Tin Plated copper, 20 AWG.

Soldering characteristics: MIL-STD-202, Method 208E.

Insulating coating: Flame retardant epoxy, meet UL-94V-0 requirement.

RVL Product Dimensions (Millimeters)

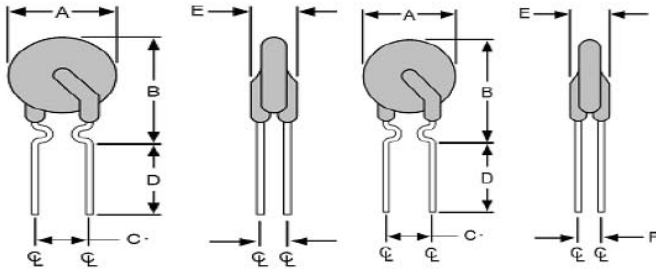


Figure 1
Lead Size: 24AWG
Φ 0.51mm Diameter

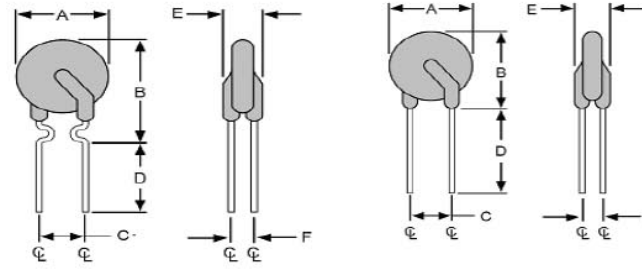


Figure 2
Lead Size: 22AWG
Φ 0.65mm Diameter

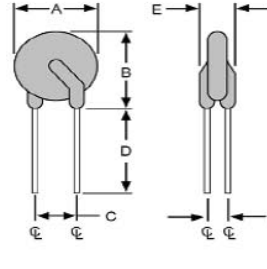


Figure 3
Lead Size: 20AWG
Φ 0.81mm Diameter

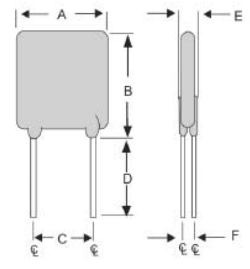
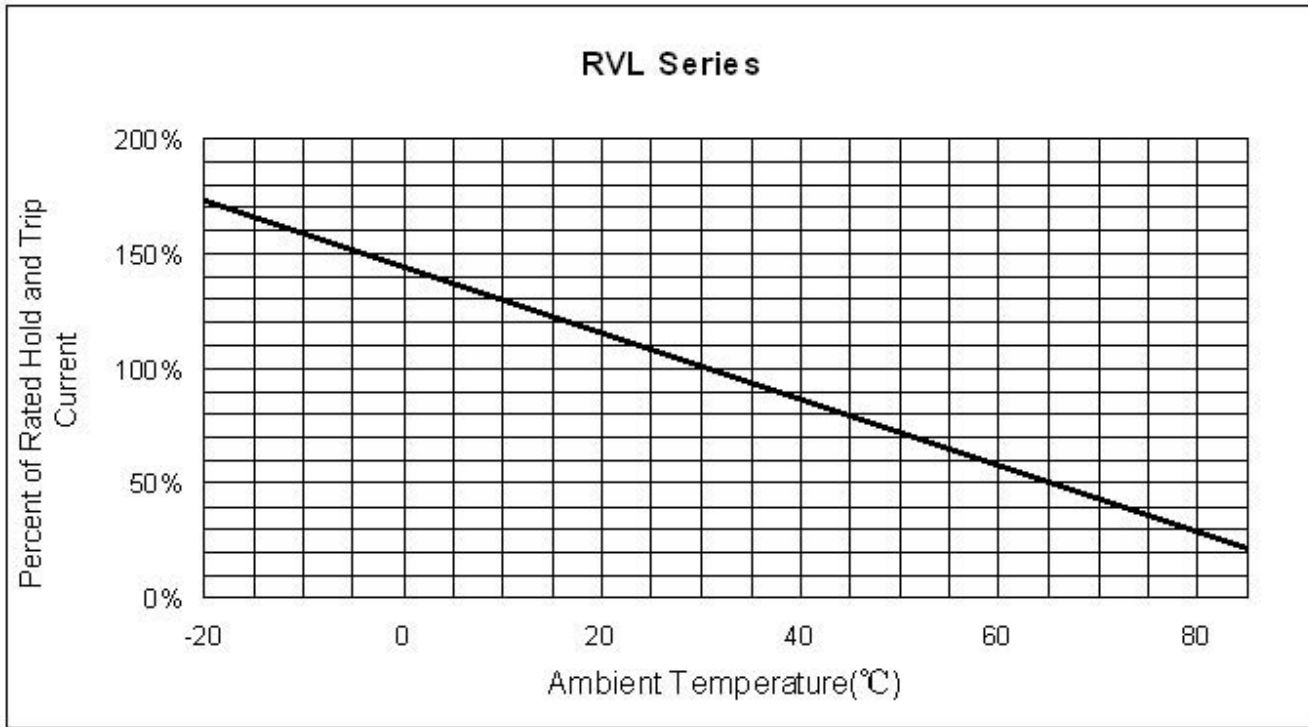


Figure 4
Lead Size: 20AWG
Φ 0.81mm Diameter

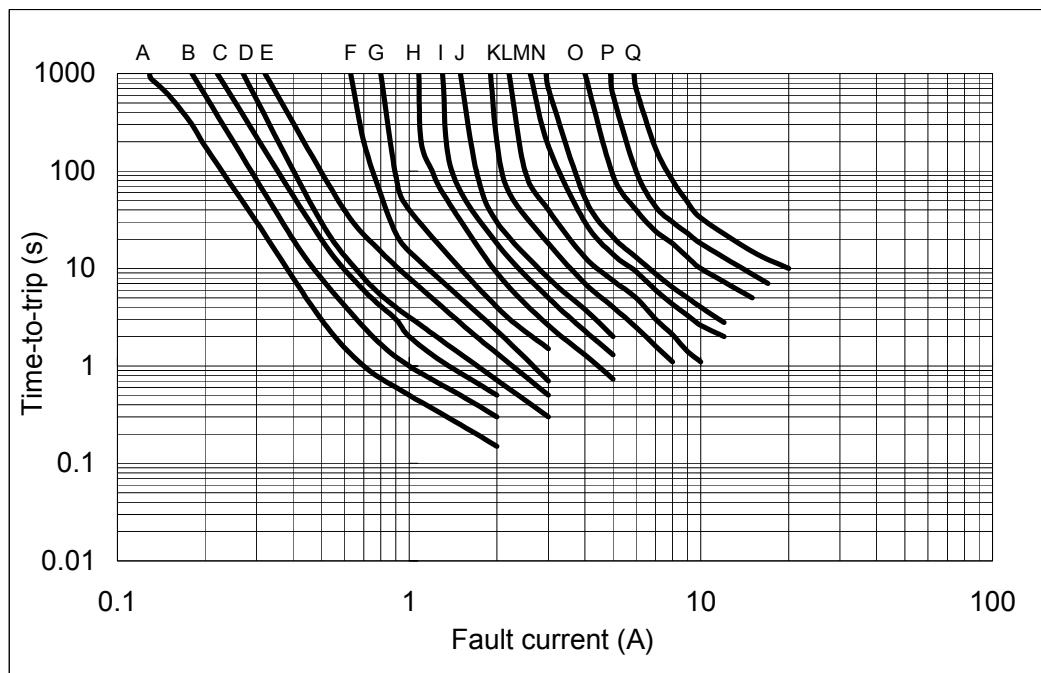
Part Number	Figure	A	B	C	D	E	F
		Maximum	Maximum	Typical	Minimum	Maximum	Typical
RVL010-120F	1	7.9	13.0	5.1	7.6	3.8	2.2
RVL017-120F	1	7.9	13.0	5.1	7.6	3.8	2.2
RVL020-120F	2	7.9	13.0	5.1	7.6	3.8	2.2
RVL025-120F	2	7.9	13.0	5.1	7.6	3.8	2.2
RVL030-120F	2	7.9	13.0	5.1	7.6	3.8	2.2
RVL040-120F	2	8.2	14.2	5.1	7.6	3.8	2.2
RVL050-120F	2	9.2	14.9	5.1	7.6	3.8	2.2
RVL065-120F	2	9.7	14.9	5.1	7.6	3.8	2.2
RVL070-120F	2	10.6	15.5	5.1	7.6	3.8	2.2
RVL075-120F	4	10.9	17.0	5.1	7.6	4.1	2.2
RVL090-120F	2	11.9	15.9	5.1	7.6	3.8	2.2
RVL100-120F	4	11.5	20.1	5.1	7.6	4.1	2.2
RVL110-120F	3	13.3	18.3	5.1	7.6	4.1	2.2
RVL125-120F	4	14.0	21.7	5.1	7.6	4.1	2.2
RVL130-120F	3	15.5	20.6	5.1	7.6	4.1	2.2
RVL135-120F	4	16.3	21.7	5.1	7.6	4.1	2.2
RVL160-120F	3	17.5	22.5	5.1	7.6	4.1	2.2
RVL185-120F	3	19.9	24.9	5.1	7.6	4.1	2.2
RVL200-120F	4	23.5	27.9	10.2	7.6	4.1	2.2
RVL250-120F	3	22.5	27.5	10.2	7.6	4.1	2.2
RVL300-120F	3	25.5	30.0	10.2	7.6	4.1	2.2
RVL375-120F	3	29.5	34.0	10.2	7.6	4.1	2.2

Thermal Derating Curve

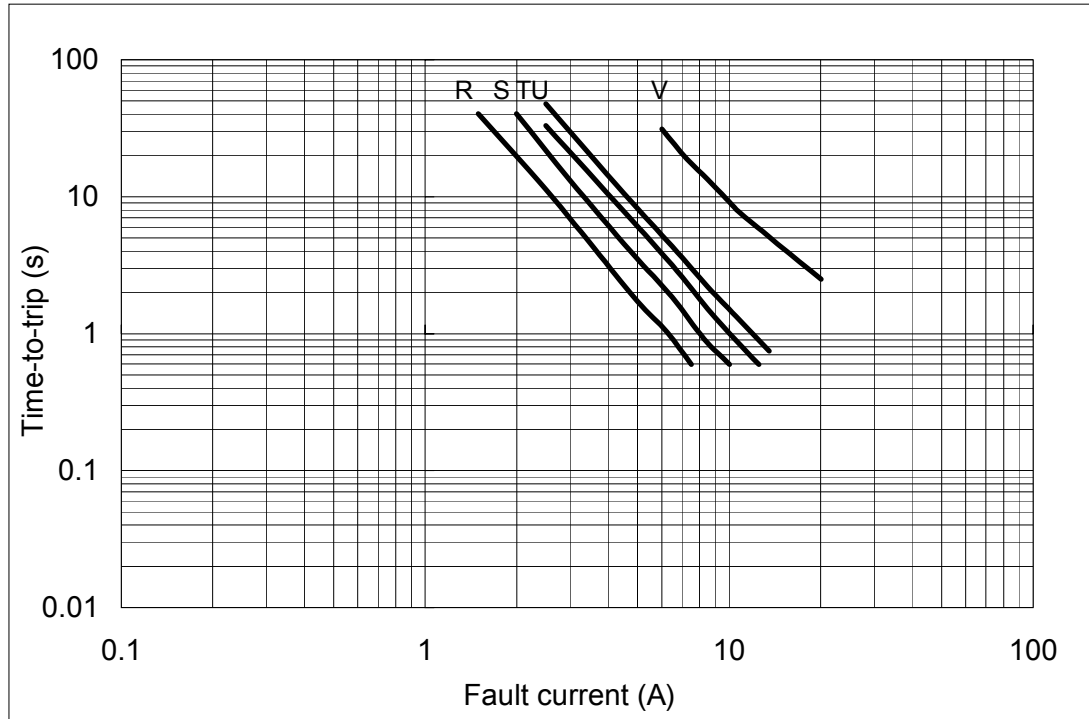


Typical Time-To-Trip at 23°C

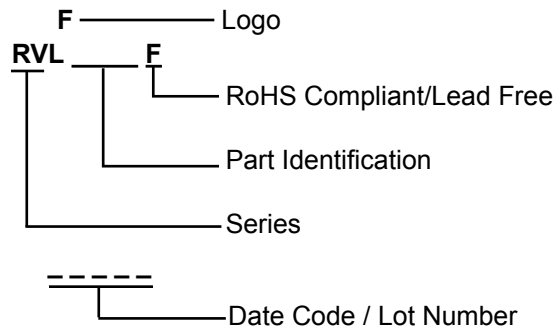
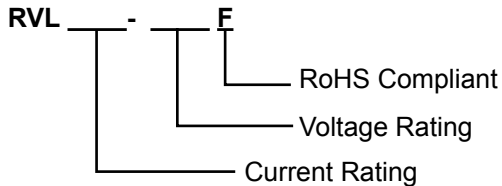
- A=RVL010-120F
- B=RVL017-120F
- C=RVL020-120F
- D=RVL025-120F
- E=RVL030-120F
- F=RVL040-120F
- G=RVL050-120F
- H=RVL065-120F
- I=RVL070-120F
- J=RVL090-120F
- K=RVL110-120F
- L=RVL130-120F
- M=RVL160-120F
- N=RVL185-120F
- O=RVL250-120F
- P=RVL300-120F
- Q=RVL375-120F



Q=RVL375-120F
 R=RVL075-120F
 S=RVL100-120F
 T=RVL125-120F
 U=RVL135-120F
 V=RVL200-120F



Part Numbering System



Standard Package

Part #	Pcs/Bag	Reel/Tape
RVL010-120F	500	2K
RVL017-120F	500	2K
RVL020-120F	500	2K
RVL025-120F	500	2K
RVL030-120F	500	2K
RVL040-120F	500	2K
RVL050-120F	500	2K
RVL065-120F	300	1.5K
RVL070-120F	300	1.5K
RVL075-120F	300	1.5K
RVL090-120F	300	1.5K

Part #	Pcs/Bag	Reel/Tape
RVL100-120F	200	1.5K
RVL110-120F	200	1.5K
RVL125-120F	200	-
RVL130-120F	200	-
RVL135-120F	200	-
RVL160-120F	200	-
RVL185-120F	200	-
RVL200-120F	100	-
RVL250-120F	100	-
RVL300-120F	100	-
RVL375-120F	100	-