

-

K	R	L	2	4	0	0	0	5	S	B	Y				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Product Code	
K	Thinking PPTC thermistor

Form Factor	
R	Radial

Usage	
L	Line voltage

Max. Operating Voltage	
240	240V

Ihold	
0005	0.05A
0008	0.08A
0016	0.16A
0025	0.25A
0033	0.33A
0040	0.40A
0055	0.55A

Appearance	
S	Straight lead
I	Inner kink lead

Packaging	
R	Reel
B	Bulk

Optional Suffix	
Y	RoHS compliant

Polymer PTC Resettable Fuse: KRL Type

KRL240 Radial Leaded Type 240V



■ Structure and Dimensions

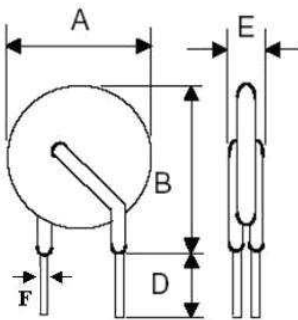


Figure 1

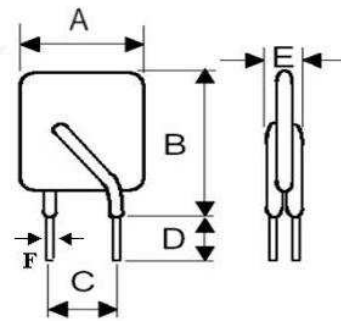


Figure 2

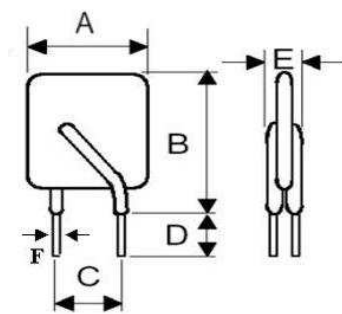


Figure 3

Part No.	A	B	C	D	E	F	(Unit: mm) Figure
	Max.	Max.	Typ.	Min.	Max.	Typ.	
KRL2400005	8.3	10.7	5.1	7.6	3.8	0.51	1
KRL2400008	8.3	10.7	5.1	7.6	3.8	0.51	1
KRL2400012	8.3	10.7	5.1	7.6	3.8	0.51	1
KRL2400016	9.9	12.5	5.1	7.6	3.8	0.51	1
KRL2400025	9.6	17.4	5.1	7.6	3.8	0.65	2
KRL2400033	11.4	16.5	5.1	7.6	3.8	0.65	2
KRL2400040	11.5	19.5	5.1	7.6	3.8	0.65	2
KRL2400055	14.0	21.7	5.1	7.6	4.1	0.81	3

■ Electrical Characteristics(@23°C)

Part No.	Vmax.	I _{max} .	I _{hold}	I _{trip}	P _d (Typ.)	Max. Time to Trip		Resistance		Agency Approval	
						Current	Time	Initial (R _i Min.)	Post trip (R ₁ Max.)	UL/cUL	TUV
	(V _{AC})	(A)	(A)	(A)	(W)	(A)	(Sec.)	(Ω)	(Ω)		
KRL2400005	240	1.0	0.05	0.12	0.7	0.25	15.00	18.50	65.00	√	√
KRL2400008	240	1.2	0.08	0.19	0.8	0.40	15.00	7.40	26.00	√	√
KRL2400012	240	1.2	0.12	0.30	1.0	0.60	15.00	3.00	12.00	√	√
KRL2400016	240	2.0	0.16	0.37	1.4	0.80	15.00	2.50	7.80	√	√
KRL2400025	240	3.5	0.25	0.56	1.5	1.25	18.50	1.30	3.80	√	√
KRL2400033	240	4.5	0.33	0.74	1.7	1.65	18.50	0.83	2.60	√	√
KRL2400040	240	5.5	0.40	0.90	2.0	2.00	24.00	0.60	1.90	√	√
KRL2400055	240	7.0	0.55	1.25	3.4	2.75	26.00	0.45	1.45	√	√

Note: UL&cUL File no. E138827

TUV File no. R50166038

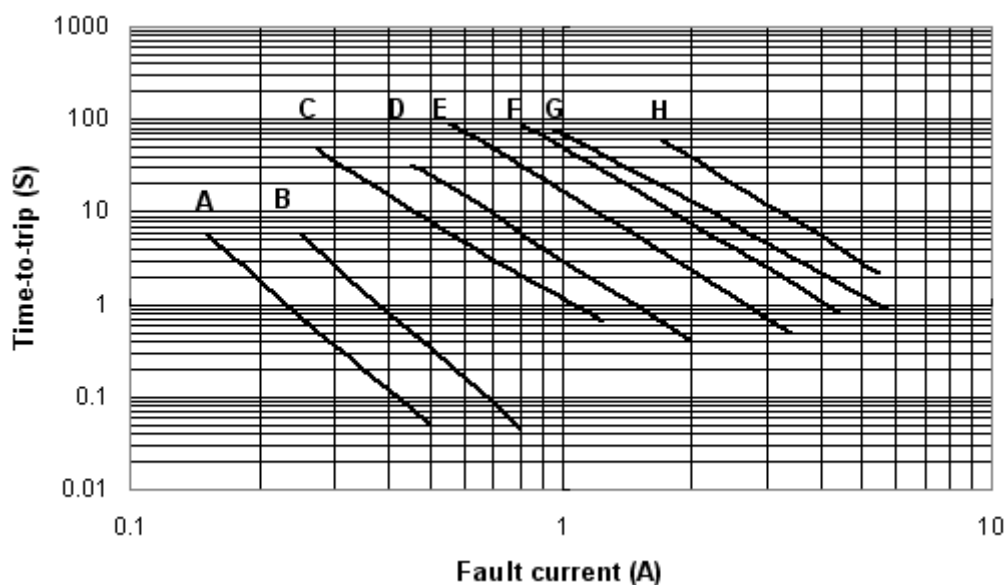
Polymer PTC Resettable Fuse: KRL Type

KRL240 Radial Leded Type 240V

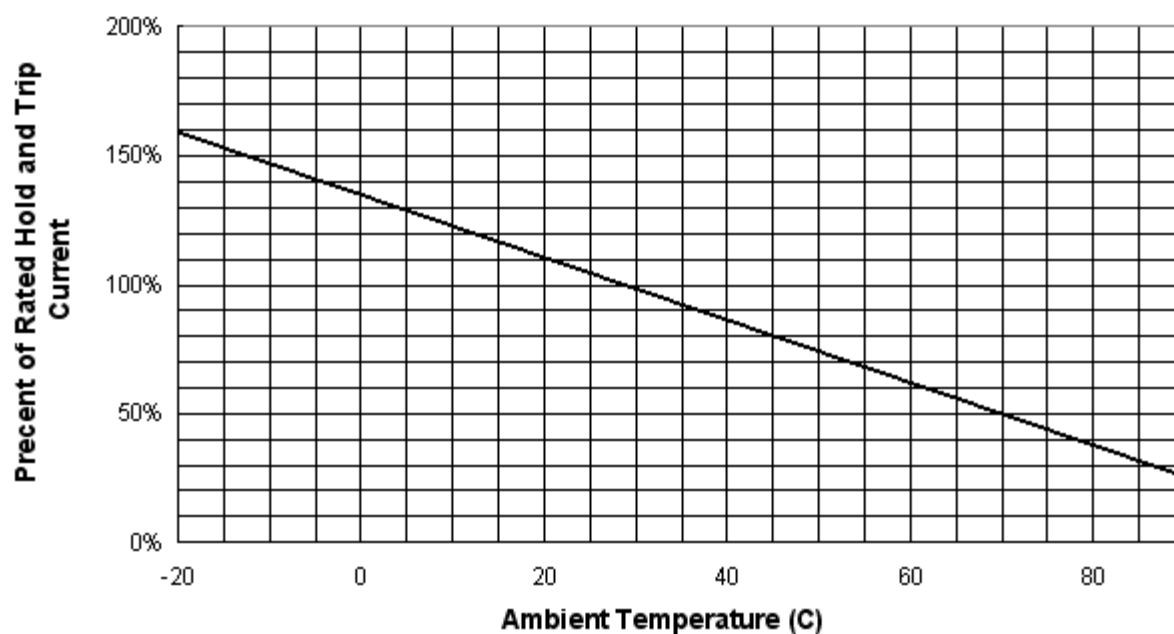


■ Typical Time to Trip Curves at 23°C

A= KRL2400005
B= KRL2400008
C= KRL2400012
D= KRL2400016
E= KRL2400025
F= KRL2400033
G= KRL2400040
H= KRL2400055



■ Derating Curve



Polymer PTC Resettable Fuse: KRL Type

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■ Packaging

● Tape & Reel Specification

See table below and Fig. 1~3 for details

Description	EIA Mark	Dimensions (mm)	Tolerance (mm)
Sprocket hole pitch	P ₀	12.7	±0.3
Ordinate to adjacent component lead KRL2400005-KRL2400040	P ₁	3.6	±1.0
Ordinate to adjacent component lead KRL2400055		3.45	
Device pitch KRL2400005-KRL2400040	P	12.7	±1.0
Device pitch KRL2400055		25.4	
Carrier tape width	W	18.0	±1.0
Top distance between tape edges	W ₀	3.0	Max
Hold-down tape width	W ₁	12.0	±1.0
Lead spacing	C	See "Structure and Dimensions"	--
Abscissa to top KRL2400005-KRL2400016	H ₁	32.2	max
Abscissa to top KRL2400025-KRL2400055		47.5	
Abscissa to plane (straight lead)	H	18.0	+2/-0
Abscissa to plane (kinked lead)	H ₀	16.0	±0.5
Sprocket hole position	W ₂	9	+0.75/-0.5
Sprocket hole diameter	D ₀	4.0	±0.2
Lead protrusion	L ₁	1.0	Max
Tape thickness	t	0.9	Max
Body tape plane deviation	△p	0	±1.3
Body lateral deviation	△h	0	±1.0
Reel width	W3	56	Max.
Reel diameter		340	±10.0
Arbor hold diameter	n0	31	±1
Core diameter	n	80	Min.

● Taping Specification

Figure 1.

KRL2400005-KRL2400016

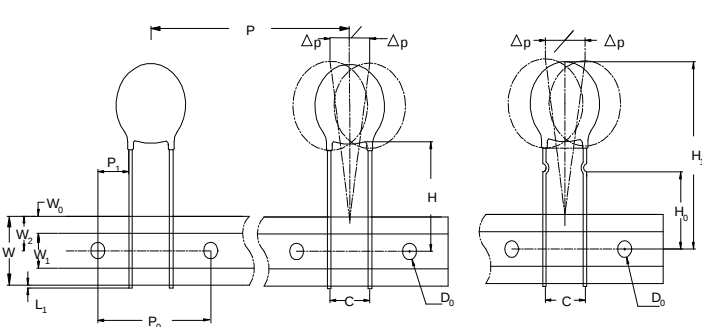
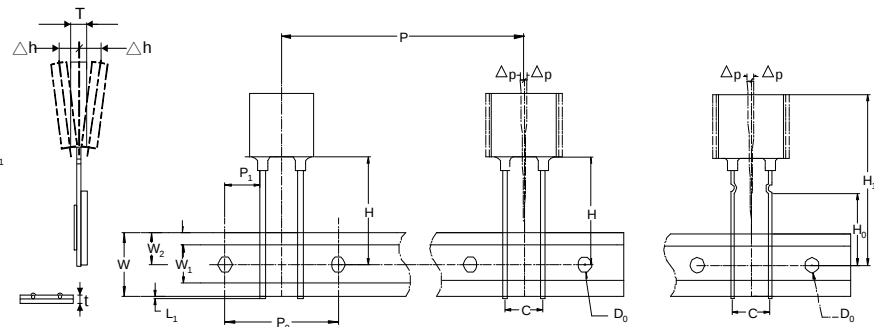


Figure 2.

KRL2400025-KRL2400055



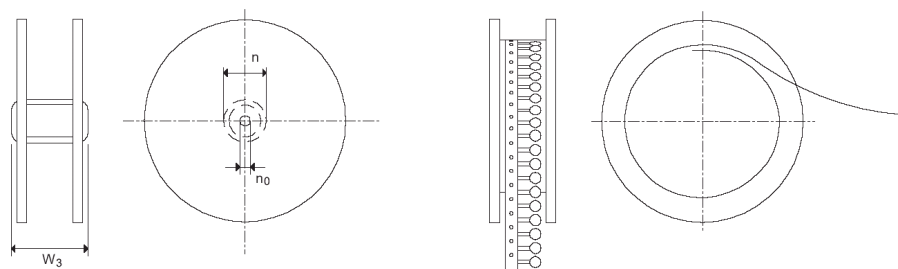
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KRL240 Radial Leded Type 240V



● Reel Specification

Figure 3.



■ Quantity

● Bulk Packing

Part No.	Pcs/ Bag
KRL2400005- KRL2400016	500
KRL2400025	300
KRL2400033- KRL2400055	200

● Reel Packing

Part No.	Pcs/ Reel
KRL2400005- KRL2400016	2000
KRL2400025-KRL2400040	1500
KRL2400055	1000

■ Storage Conditions of Products

● Storage Conditions :

1. Storage Temperature: -10°C ~+40°C
2. Relative humidity: $\leq 75\%RH$
3. Thermistors must be kept away from sunlight and stored in a non-corrosive atmosphere.

● Period of Storage : 1 year