

PRODUCT DATA



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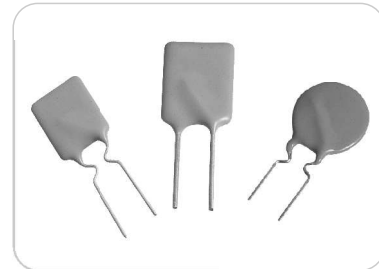
■ Radial Led Type KRG016 Series

● **Features**

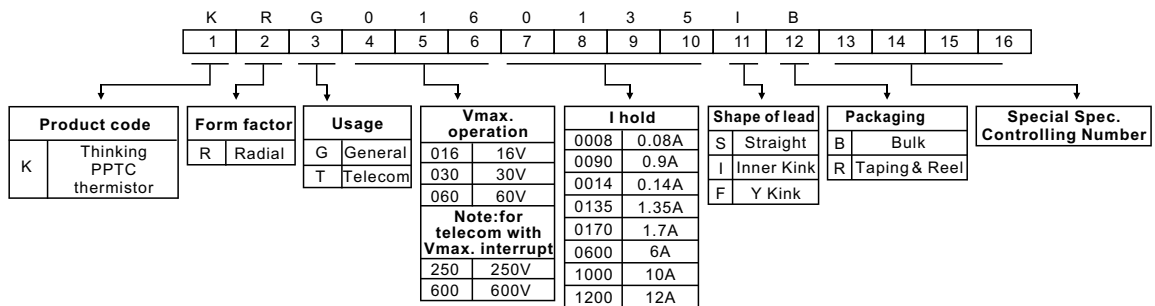
1. Broadest range of resettable devices available in the industry
2. Current ratings from 0.7 to 15A
3. Maximum voltage is 16V

● **Recommended applications**

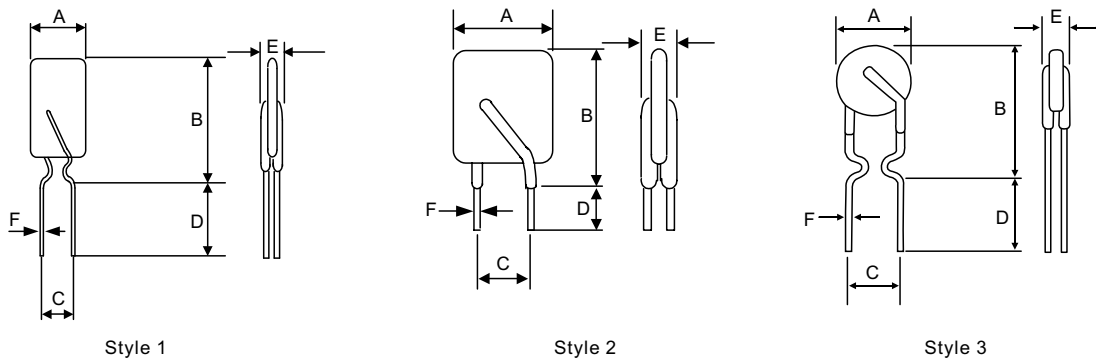
1. Motors, fans and blowers
2. Keyboard / mouse



● **Part number code**



● **Dimensions**



Marking: Device is marked Vmax. operation, I hold

(Unit: mm)

Part no.	A	B	C	D	E	F	Figure
	Max.	Max.	Typ.	Min.	Max.	Typ.	Style
KRG0160070	7.0	11.2	5.0±0.8	7.6	3.1	0.5	1
KRG0160075	7.0	11.5	5.0±0.8	7.6	3.1	0.5	3
KRG0160090	7.4	12.2	5.0±0.8	7.6	3.1	0.5	1
KRG0160110	7.4	14.2	5.0±0.8	7.6	3.1	0.5	1
KRG0160120	7.0	12.0	5.0±0.8	7.6	3.1	0.5	3
KRG0160135	7.4	14.2	5.0±0.8	7.6	3.1	0.5	1
KRG0160155	7.7	12.5	5.0±0.8	7.6	3.1	0.5	3

(Unit: mm)

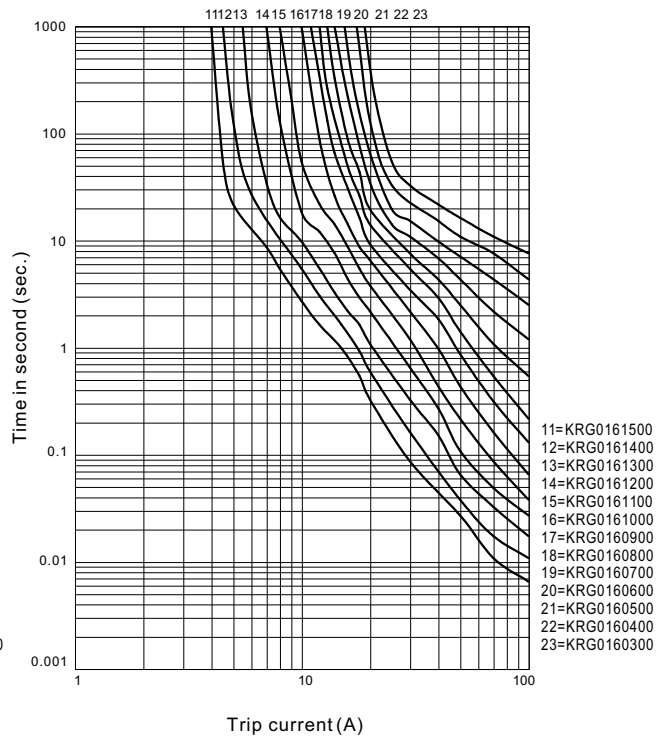
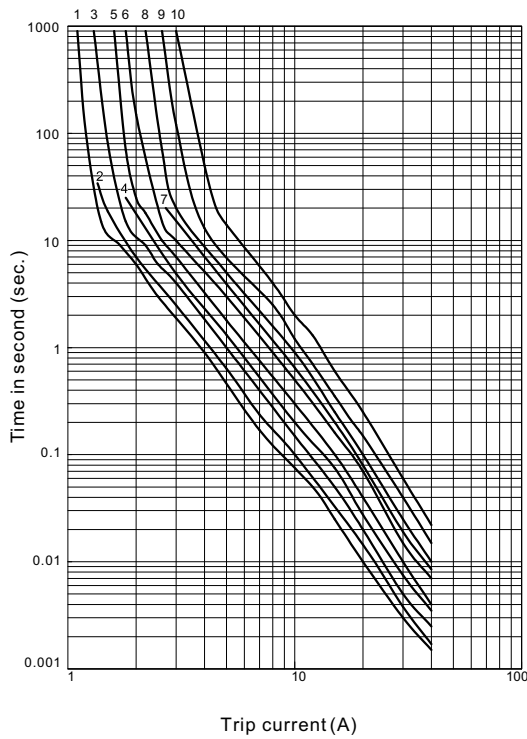
Part no.	A	B	C	D	E	F	Figure
	Max.	Max.	Typ.	Min.	Max.	Typ.	Style
KRG0160160	7.4	14.2	5.0±0.8	7.6	3.1	0.5	1
KRG0160185	7.7	14.2	5.0±0.8	7.6	3.1	0.5	1
KRG0160250	8.9	13.5	5.0±0.8	7.6	3.1	0.5	1
KRG0160300	8.5	11.0	5.0±0.8	7.6	3.1	0.8	2
KRG0160400	8.9	12.8	5.0±0.8	7.6	3.1	0.8	2
KRG0160450	8.9	13.2	5.0±0.8	7.6	3.1	0.8	2
KRG0160500	10.4	13.3	5.0±0.8	7.6	3.1	0.8	2
KRG0160550	10.4	14.3	5.0±0.8	7.6	3.1	0.8	2
KRG0160600	11.4	17.1	5.0±0.8	7.6	3.1	0.8	2
KRG0160650	11.4	19.7	5.0±0.8	7.6	3.1	0.8	2
KRG0160700	14.0	19.7	5.0±0.8	7.6	3.1	0.8	2
KRG0160750	14.0	19.9	5.0±0.8	7.6	3.1	0.8	2
KRG0160800	14.0	20.9	5.0±0.8	7.6	3.1	0.8	2
KRG0160900	14.0	21.9	5.0±0.8	7.6	3.1	0.8	2
KRG0161000	16.5	24.9	5.0±0.8	7.6	3.1	0.8	2
KRG0161100	17.0	25.0	5.1±0.7	7.6	3.1	0.8	2
KRG0161200	19.0	27.2	5.1±0.7	7.6	3.1	1.0	2
KRG0161300	21.6	29.2	5.1±0.7	7.6	3.1	1.0	2
KRG0161400	22.5	27.7	5.1±0.7	7.6	3.1	1.0	2
KRG0161500	24.1	28.7	5.1±0.7	7.6	3.1	1.0	2

Note: D dimension depend on customer's requirement.

● Characteristics

Part no.	Vmax.	I _{max.}	I _{hold} @ 23°C	I _{trip} @ 23°C	P _d (Max.)	Maximum time to trip		Resistance (Ω)		
	(V _{dc})	(A)	(A)	(A)	(W)	(A)	(Sec.)	Initial (R _i)		Post trip (R ₁)
								Min.	Max.	Max.
KRG0160070	16	40	0.70	1.40	1.20	8.00	0.13	0.130	0.260	0.500
KRG0160075	16	40	0.75	1.50	1.20	8.00	0.18	0.090	0.200	0.400
KRG0160090	16	40	0.90	1.80	1.40	8.00	0.27	0.080	0.130	0.250
KRG0160110	16	40	1.10	2.20	1.60	8.00	0.35	0.050	0.120	0.170
KRG0160120	16	40	1.20	2.40	1.60	8.00	0.50	0.040	0.110	0.170
KRG0160135	16	40	1.35	2.70	1.60	8.00	0.90	0.040	0.090	0.150
KRG0160155	16	40	1.55	3.10	1.80	8.00	1.30	0.030	0.080	0.140
KRG0160160	16	40	1.60	3.20	1.80	8.00	1.70	0.030	0.080	0.014
KRG0160185	16	40	1.85	3.70	2.00	8.00	2.70	0.025	0.070	0.130
KRG0160250	16	40	2.50	5.00	2.00	8.00	4.00	0.020	0.050	0.100
KRG0160300	16	100	3.00	6.00	2.30	15.00	1.00	0.020	0.050	0.100
KRG0160400	16	100	4.00	8.00	2.40	20.00	0.50	0.013	0.030	0.075
KRG0160450	16	100	4.50	9.00	2.40	22.50	1.00	0.010	0.030	0.065
KRG0160500	16	100	5.00	10.00	2.60	25.00	1.00	0.010	0.023	0.050
KRG0160550	16	100	5.50	11.00	2.60	27.50	3.30	0.008	0.020	0.035
KRG0160600	16	100	6.00	12.00	2.80	30.00	3.30	0.006	0.018	0.030
KRG0160650	16	100	6.50	13.00	2.80	32.50	3.50	0.006	0.015	0.026
KRG0160700	16	100	7.00	14.00	3.00	35.00	3.50	0.006	0.013	0.022
KRG0160750	16	100	7.50	15.00	3.00	37.50	5.00	0.005	0.012	0.020
KRG0160800	16	100	8.00	16.00	3.20	40.00	5.00	0.005	0.012	0.020
KRG0160900	16	100	9.00	18.00	3.30	45.00	5.50	0.004	0.009	0.015
KRG0161000	16	100	10.00	20.00	3.50	50.00	6.00	0.003	0.008	0.015
KRG0161100	16	100	11.00	22.00	3.70	55.00	7.00	0.003	0.008	0.013
KRG0161200	16	100	12.00	24.00	4.20	60.00	7.50	0.003	0.007	0.010
KRG0161300	16	100	13.00	26.00	4.60	65.00	9.00	0.002	0.006	0.010
KRG0161400	16	100	14.00	28.00	4.60	70.00	9.00	0.002	0.006	0.0085
KRG0161500	16	100	15.00	30.00	4.60	75.00	10.00	0.002	0.006	0.0085

● Average time to trip curve (representative)



● Reliability test

Item	Testcondition/methods	Criteria
Passive aging	85°C, 1000hrs	$\Delta R/R_i \leq \pm 5\%$
Humidity storage	40°C, 95%RH, 1344hrs Mil-Std 202, method 103 condition D	$\Delta R/R_i \leq \pm 5\%$
Thermal shock	85/-40°C, 20 cycles	$\Delta R/R_i \leq \pm 10\%$
Cycle life	50 cycles at a 120% maximum current (Imax) and maximum voltage (Vmax). UL 1434	No damage
Trip endurance	Vmax, Imax, 48Hrs	No damage
Steady-state operating life	Vmax, Iss, 1000hrs Mil-Std 750, method 1026	$\Delta R/R_i \leq \pm 10\%$