

PRODUCT DATA



■ Radial Leaded Type KRT250 Series

● Features

1. Broadest range of resettable devices available in the industry
2. Current ratings from 0.08 to 0.18A
3. Maximum operating voltage is 60V, maximum interrupt voltage is 250V

● Recommended applications

1. Telecommunication
2. Network equipment

● Approvals



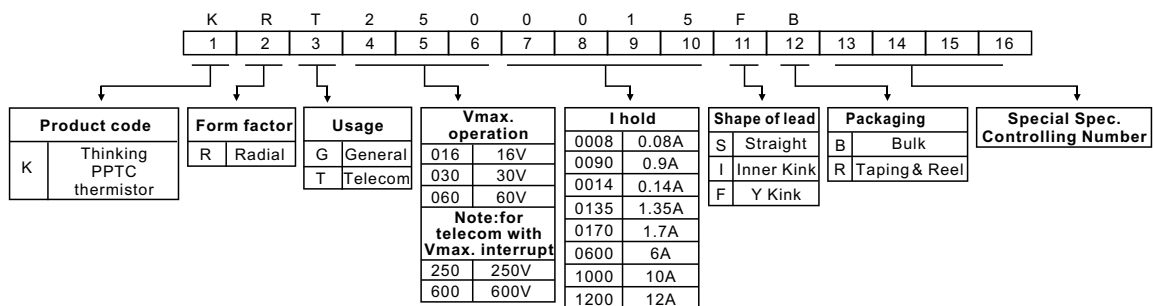
* UL 1434 recognized



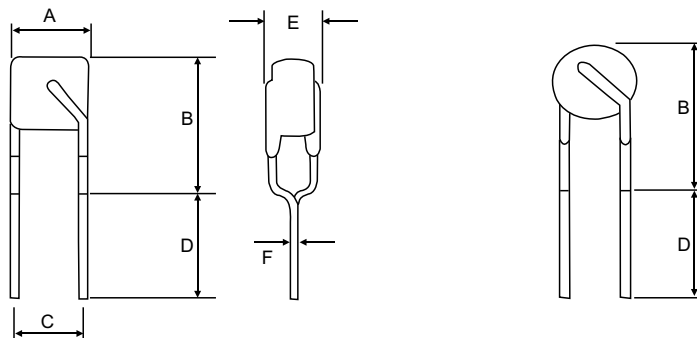
* cUL recognized



● Part number code



● Dimensions



Marking: Device is marked Vmax. interrupt, I hold

(Unit: mm)

Part no.	A	B	C	D	E	F
	Max.	Max.	Typ.	Min.	Max.	Typ.
KRT2500008	5.3	9.6	5.0±0.8	4.7	4.6	0.65±0.02
KRT2500008XXU	4.8	9.1	5.0±0.8	4.7	3.8	0.65±0.02
KRT2500011	6.4	13.0	5.0±0.8	4.7	4.6	0.65±0.02

(Unit: mm)

Part no.	A	B	C	D	E	F
	Max.	Max.	Typ.	Min.	Max.	Typ.
KRT2500011XXU	5.3	9.4	5.0±0.8	4.7	3.8	0.65±0.02
KRT2500012	6.5	13.0	5.0±0.8	4.7	4.6	0.65±0.02
KRT2500012XXU	6.0	12.0	5.0±0.8	4.7	3.8	0.65±0.02
KRT2500015	6.5	13.0	5.0±0.8	4.7	4.6	0.65±0.02
KRT2500015XXU	6.0	12.0	5.0±0.8	4.7	3.8	0.65±0.02
KRT2500018	10.9	13.6	5.0±0.8	4.7	4.6	0.65±0.02
KRT2500018XXU	10.4	12.6	5.0±0.8	4.7	3.8	0.65±0.02

Note: For KRT2500008 and KRT2500011 are round shape, all others are square/retangular shape

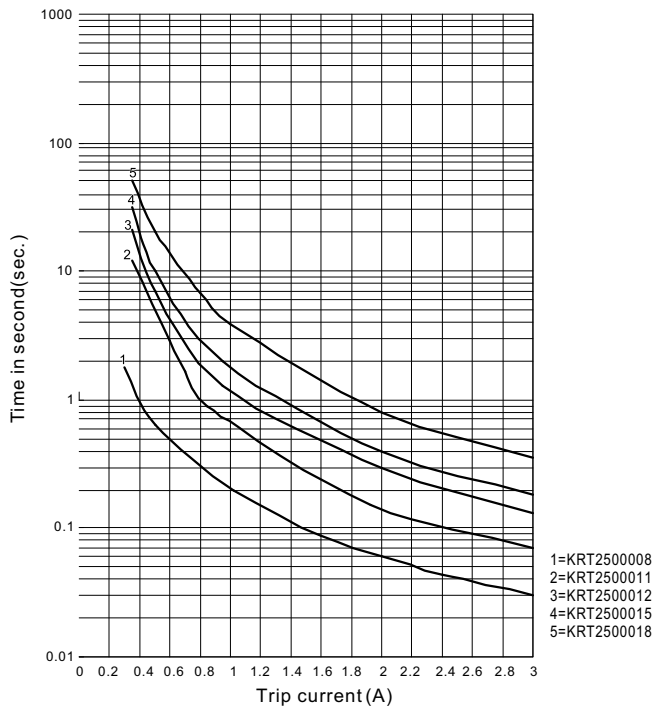
● **Characteristics**

Part no.	Vmax.	I _{max} .	I _{hold} @ 23°C	I _{trip} @ 23°C	V _{max} Interrupt	P _d (Max.)	Maximum time to trip		Resistance (Ω)		
	(V _{dc})	(A)	(A)	(A)	(V _{AC})	(W)	(A)	(Sec.)	Initial (R _i)		Post trip (R ₁)
									Min.	Max.	Max.
KRT2500008	60	3.0	0.080	0.160	250	1.00	0.35	3.00	14.00	20.00	33.00
KRT2500008XXU	60	3.0	0.080	0.160	250	1.00	0.35	3.00	14.00	20.00	33.00
KRT2500011	60	3.0	0.110	0.220	250	1.00	1.00	0.75	5.00	9.00	16.00
KRT2500011XXU	60	3.0	0.110	0.220	250	1.00	1.00	0.75	5.00	9.00	16.00
KRT2500012	60	3.0	0.120	0.240	250	1.00	1.00	1.50	4.00	8.00	16.00
KRT2500012XXU	60	3.0	0.120	0.240	250	1.00	1.00	1.50	4.00	8.00	16.00
KRT2500015	60	3.0	0.150	0.300	250	1.00	1.00	2.50	3.50	6.00	12.00
KRT2500015XXU	60	3.0	0.150	0.300	250	1.00	1.00	2.50	3.50	6.00	12.00
KRT2500018	60	10.0	0.180	0.360	250	1.00	1.00	12.00	0.80	2.00	4.00
KRT2500018XXU	60	10.0	0.180	0.360	250	1.00	1.00	12.00	0.80	2.00	4.00

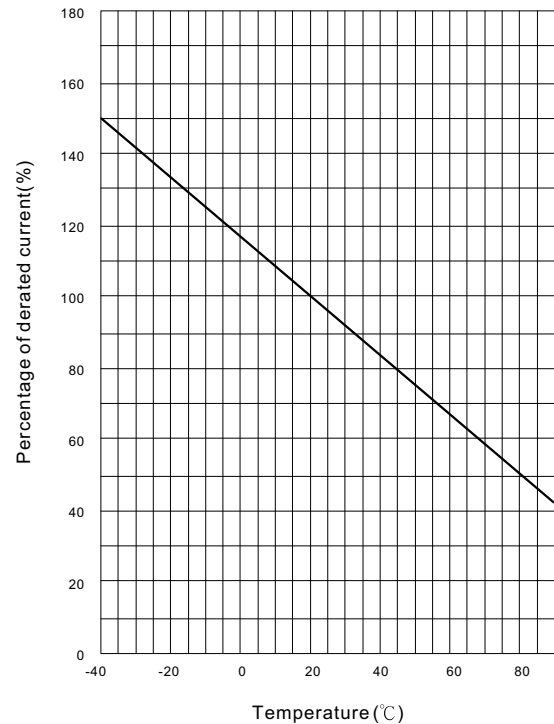
Note1: The first X is shape of lead, the second X is packaging.

Note2: U=Uncoating.

● Average time to trip curve (representative)



● Thermal derating curve



● Reliability test

Item	Test condition/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 (I _{max}) and maximum voltage (V _{max}). UL 1434	No damage
Trip endurance	V _{max} , I _{max} , 48Hrs	No damage
Steady-state operating life	V _{max} , I _{ss} , 1000hrs Mil-Std 750, method 1026	$\Delta R/R_i \leq \pm 10\%$