

PRODUCT DATA



■ **Strap Type KSH Series**

● **Features**

1. Broadest range of resettable devices available in the industry
2. Current ratings from 1.9 to 7.3A
3. Maximum voltage is 20V

● **Recommended applications**

1. Rechargeable battery packs

● **Approvals**



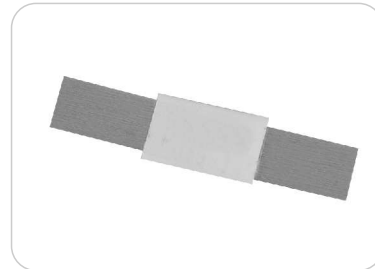
* UL 1434 recognized



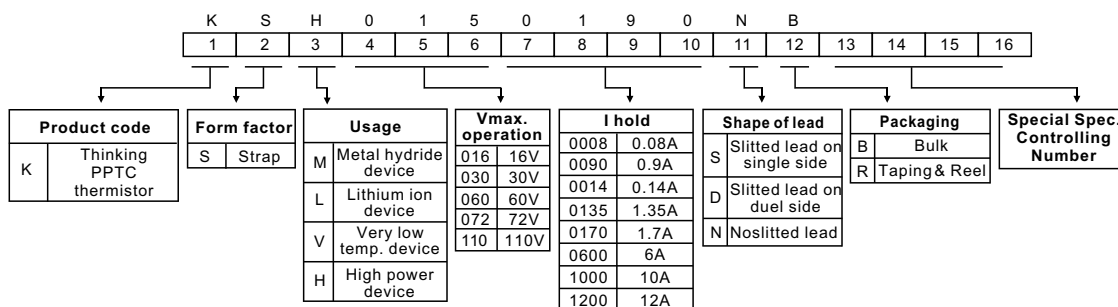
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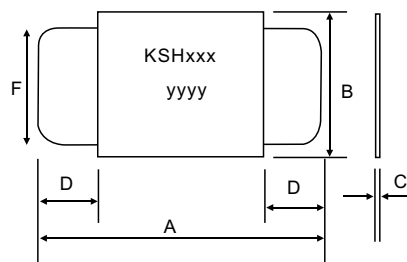
* TUV recognized



● **Part number code**



● **Dimensions**



Marking: xxx=Vmax. operation, yyyy=I hold

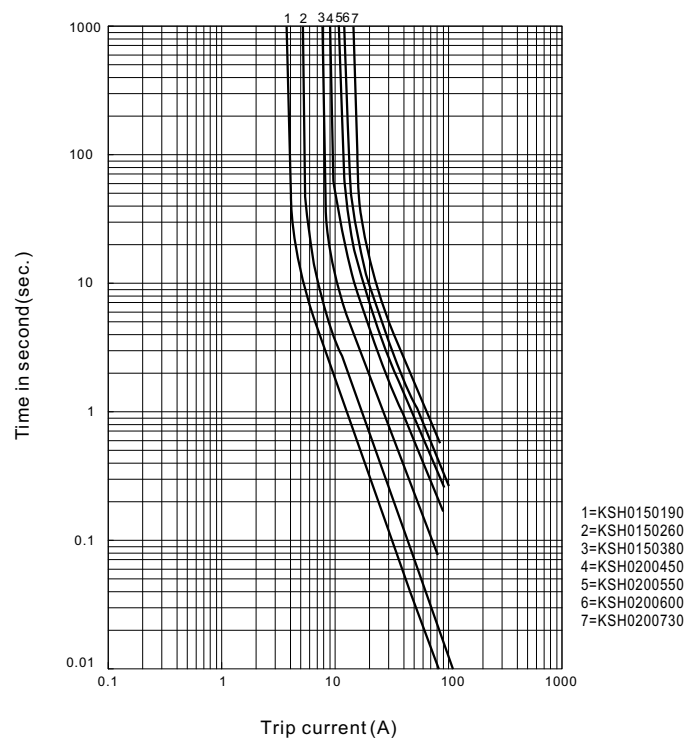
(Unit: mm)

Part no.	A		B		C		D		F	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
KSH0150190	19.9	22.1	4.9	5.5	0.6	1.0	5.5	7.5	3.9	4.1
KSH0150260	20.9	23.1	4.9	5.5	0.6	1.0	4.1	5.5	3.9	4.1
KSH0150380	24.0	26.0	6.9	7.5	0.6	1.0	4.1	5.5	4.9	5.1
KSH0200450	24.0	26.0	9.9	10.5	0.6	1.0	5.3	6.7	5.9	6.6
KSH0200550	35.0	37.0	6.9	7.5	0.6	1.0	5.3	6.7	4.9	5.1
KSH0200600	24.0	26.0	13.9	14.5	0.6	1.0	4.1	5.5	5.9	6.6
KSH0200730	27.1	29.1	13.9	14.5	0.6	1.0	4.1	5.5	5.9	6.6

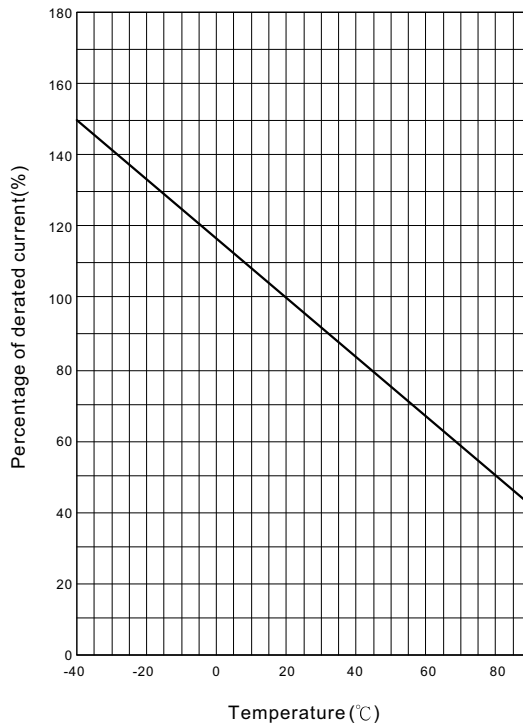
● Characteristics

Part no.	Vmax. (V _{dc})	Imax. (A)	Ihold @ 23°C (A)	Itrip @ 23°C (A)	Pd (Max.) (W)	Maximum time to trip		Resistance (Ω)		
						(A)	(Sec.)	Initial (Ri)		Post trip (R1)
	Min.	Max.	Max.							
KSH0150190	15	100	1.90	3.90	1.20	9.50	5.0	0.039	0.072	0.102
KSH0150260	15	100	2.60	5.80	2.50	13.00	5.0	0.020	0.042	0.063
KSH0150380	15	100	3.80	8.30	2.50	19.00	5.0	0.013	0.026	0.037
KSH0200450	20	100	4.50	8.90	2.50	22.50	5.0	0.011	0.020	0.028
KSH0200550	20	100	5.50	10.50	2.80	27.50	5.0	0.009	0.016	0.022
KSH0200600	20	100	6.00	11.70	2.80	30.00	5.0	0.007	0.014	0.019
KSH0200730	20	100	7.30	14.10	3.30	30.00	5.0	0.006	0.012	0.015

● Average time to trip curve



● **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 (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	$\Delta R/R_i \leq \pm 10\%$