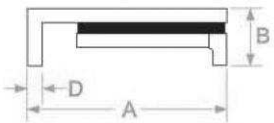
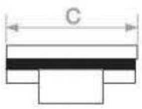
ESKA Fuses

■Product Dimensions(mm)

Part Number	A Max.	B Max.	C Max.	D Max.
LP-SM030	7.98	3.18	5.44	0.70
LP-SM050/60	7.98	3.18	5.44	0.70
LP-SM050/30	7.98	3.18	5.44	0.70
LP-SM075	7.98	3.18	5.44	0.70
LP-SM110/33	7.98	3.00	5.44	0.70
LP-SM110/24	7.98	3.00	5.44	0.70
LP-SM110/15	7.98	3.00	5.44	0.70
LP-SM125	7.98	3.00	5.00	0.70
LP-SM130/33	9.50	3.00	6.71	0.70
LP-SM130/15	9.50	3.00	6.71	0.70
LP-SM150/33	9.50	3.00	6.71	0.70
LP-SM150/15	9.50	3.00	6.71	0.70
LP-SM185	9.50	3.00	6.71	0.70
LP-SM200	9.50	3.00	6.71	0.70
LP-SM250	9.50	3.00	6.71	0.70
LP-SM260	7.98	3.18	5.44	0.70
LP-SM300	7.98	3.18	5.44	0.70

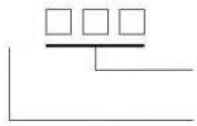


Side View



End View

■Part Marking System



■Electrical Characteristics

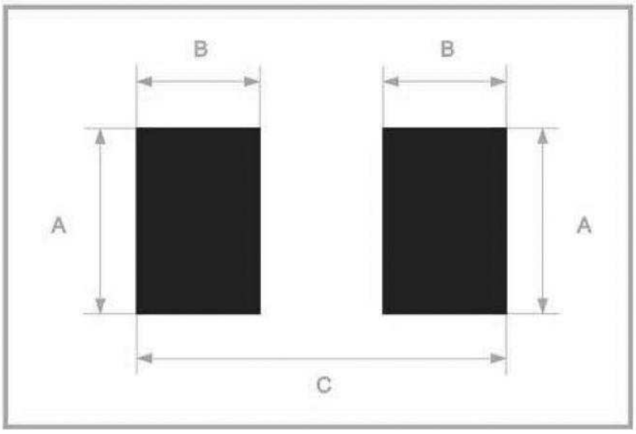
Part Number	I_H (A)	I_T (A)	V_{max} (V)	I_{max} (A)	T_{trip} Current(A)	T_{trip} Time(S)	Pd_{typ} (W)	R_{min} (Ω)	R_{max} (Ω)	R_{1max} (Ω)
LP-SM030	0.30	0.60	60	10	1.5	4.0	1.9	0.700	1.300	4.800
LP-SM050/60	0.50	1.00	60	10	2.5	4.0	1.9	0.350	0.600	1.400
LP-SM050/30	0.50	1.00	30	10	2.5	4.0	1.9	0.350	0.600	1.400
LP-SM075	0.75	1.50	30	40	8.0	3.0	1.9	0.290	0.400	1.000
LP-SM110/33	1.10	2.20	33	40	8.0	2.0	1.9	0.100	0.190	0.480
LP-SM110/24	1.10	2.20	24	40	8.0	2.0	1.9	0.100	0.190	0.480
LP-SM110/15	1.10	2.20	15	40	8.0	2.0	1.9	0.100	0.190	0.480
LP-SM125	1.25	2.50	15	40	8.0	2.0	1.6	0.070	0.120	0.250
LP-SM130/33	1.30	2.60	33	40	8.0	4.0	2.1	0.080	0.130	0.280
LP-SM130/15	1.30	2.60	15	40	8.0	4.0	2.1	0.080	0.130	0.280
LP-SM150/33	1.50	3.00	33	40	8.0	5.0	2.1	0.060	0.110	0.250
LP-SM150/15	1.50	3.00	15	40	8.0	5.0	2.1	0.060	0.110	0.250
LP-SM185	1.85	3.70	15	40	8.0	5.0	2.1	0.045	0.080	0.165
LP-SM200	2.00	4.00	15	40	8.0	12.0	2.1	0.045	0.065	0.125
LP-SM250	2.50	5.00	15	40	8.0	25.0	1.9	0.025	0.052	0.085
LP-SM260	2.60	5.20	6	40	8.0	20.0	1.9	0.025	0.052	0.075
LP-SM300	3.00	6.00	6	40	8.0	35.0	1.9	0.015	0.033	0.048

- I_H=Hold current:maximum current at which the device will not trip at 25℃ still air.
- I_T=Trip current:minimum current at which the device will always trip at 25℃ still air.
- V_{max}=Maximum voltage device can withstand without damage at rated current.
- I_{max}=Maximum fault current device can withstand without damage at rated voltage.
- T_{trip}=Maximum time to trip(s) at assigned current.
- Pd_{typ}=Typical power dissipation:typical amount of power dissipated by the device when in state air environment.
- R_{min}=Minimum device resistance at 25℃ prior to tripping.
- R_{max}=Maximum device resistance at 25℃ prior to tripping.
- R_{1max}=Maximum device resistance measured in the nontripped state 1 hour post reflow.

Test Procedures And Requirements

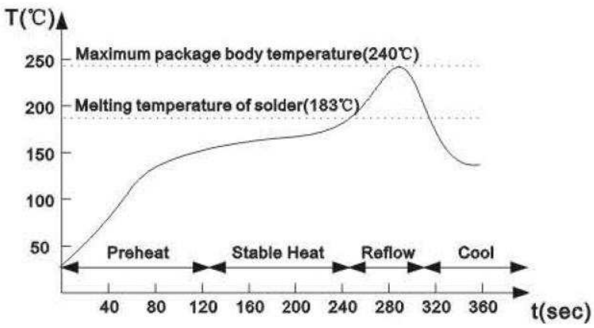
Test	Test Conditions	Accept/Reject Criteria
Resistance	In still air @ 25℃	$R_{min} \leqslant R \leqslant R_{max}$
Time to Trip	Specified current, V_{max}, 25℃	T≤max. Time to trip(T_{trip})
Hold Current	30 min, at I_H	No trip
Trip Cycle Life	V_{max}, I_{max}, 100cycles	No arcing or buring
Trip Endurance	V_{max}, 24hours	No arcing or buring

Pad Dimensions



Part Number	A mm	B mm	C mm
LP-SM030	3.1	2.3	9.7
LP-SM050	3.1	2.3	9.7
LP-SM075	3.1	2.3	9.7
LP-SM110	3.1	2.3	9.7
LP-SM125	3.1	2.3	9.7
LP-SM130	4.6	2.3	10.7
LP-SM150	4.6	2.3	10.7
LP-SM185	4.6	2.3	10.7
LP-SM200	4.6	2.3	10.7
LP-SM250	4.6	2.3	10.7
LP-SM260	3.1	2.3	9.7
LP-SM300	3.1	2.3	9.7

Solder Reflow Recommendations



- Recommended reflow methods: IR, Vapor phase oven, hot air oven, wave solder.
- Devices can be cleaned using standard industry methods and solvents.

Notes:

⚠ **If reflow temperatures exceed the recommended profile, devices may not meet the performance requirements.**

Agency Recognition

UL、CSA...........E 202125
TUV .... R 02134634

Package Information

Tape & Reel:

- LP-SM030~LP-SM300..2000pcs per reel