



**THE DATASHEET OF
SM103J1K**



LL 34 MiniMELF SM



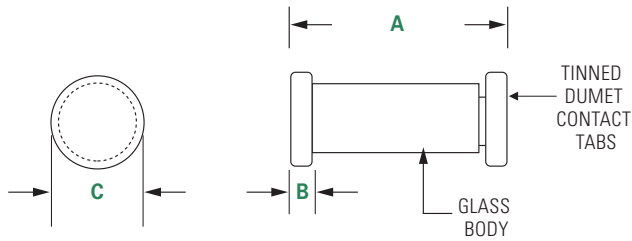
Description

Littelfuse LL-34 “MiniMELF” style glass encapsulated surface mount thermistors are manufactured using super stable NTC chips which are hermetically sealed in a glass package. The result is a device which exhibits excellent long-term reliability and stability even when subjected to severe environmental or thermal conditions. Their uniform dimensions make them especially suitable for use with automatic insertion equipment.

Options

- Non-standard resistance values and tolerances
- Point matched at specified temperatures
- Tape and Reel Packaging

Dimensions



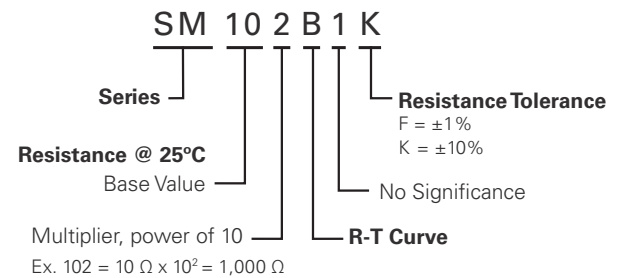
Dimensions shown in inches.

A	B	C
0.135" ± 0.012"	0.019" ± 0.005"	0.060" ± 0.005"

Features

- High temperature capability to +220°C
- Surface mountable
- Hermetically sealed glass package
- Low cost
- Excellent long-term stability

Part Numbering System



Note: Not all combinations of Part Number codes are available. Contact Littelfuse for details.

LL 34 MiniMELF SM

Specifications

Part Number	Resistance Ohms @25°C	*Resistance Tol. ± % @ 25°C	R-T Curve	Temperature Coefficient (%/°C) @ 25°C	Beta (K) 0-50°C	Dissipation Constant, Nominal (mW/°C)	Thermal Time Constant, Max. - Still Air (seconds)	Temperature Rating (°C)
SM102B1K	1000	10	B	-3.3	2941	2	8	-55 to +220
SM102D1K	1000	10	D2	-	3156	2	8	-55 to +220
SM102E1K	1000	10	E	-3.67	3263	2	8	-55 to +220
SM202F1K	2000	10	F	-3.86	3419	2	8	-55 to +220
SM222E1K	2186	10	E1	-3.82	3320	2	8	-55 to +220
SM252B1K	2500	10	B	-3.31	2941	2	8	-55 to +220
SM252B4K	2500	10	B	-3.31	2941	2	8	-55 to +220
SM103F5K	10000	10	F	-3.86	3419	2	8	-55 to +220
SM103G1K	10000	10	G	-4.04	3575	2	8	-55 to +220
SM103J1F	10000	1	J	-4.4	3892	2	8	-55 to +220
SM103J1K	10000	10	J	-4.4	3892	2	8	-55 to +220
SM403J1K	10000	10	J	-4.4	3892	2	8	-55 to +220
SM472F1K	10000	10	F	-3.86	3419	2	8	-55 to +220
SM472G1K	10000	10	G	-4.03	3575	2	8	-55 to +220
SM501B1K	10000	10	B	-3.31	2941	2	8	-55 to +220
SM153J1K	15000	10	J	-4.4	3892	2	8	-55 to +220
SM602F1K	15000	10	F	-3.86	3419	2	8	-55 to +220
SM203J1K	20000	10	J	-4.4	3892	2	8	-55 to +220
SM253J1K	25000	10	J	-4.4	3892	2	8	-55 to +220
SM303J1K	30000	10	J	-4.4	3892	2	8	-55 to +220
SM104J1F	100000	1	J	-4.4	3892	2	8	-55 to +220
SM104J1K	100000	10	J	-4.4	3892	2	8	-55 to +220

*Resistance tolerances of ± 1%, 2%, and 5% are available upon request

Specifications

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SM104J1O	100000	—	J	-4.4	3892	2	8	-55 to +220
SM104R1K	100000	10	R	-4.68	4140	2	8	-55 to +220
SM502F1K	100000	10	F	-3.86	3419	2	8	-55 to +220
SM503J1K	100000	10	J	-4.4	3892	2	8	-55 to +220
SM504R1K	100000	10	R	-4.68	4140	2	8	-55 to +220
SM254R1K	250000	10	R	-4.68	4140	2	8	-55 to +220
SM105V3K	1000000	10	V3	-4.93	4369	2	8	-55 to +220
SM105R1K	1000000	10	R	-4.68	4140	2	8	-55 to +220

*Resistance tolerances of ± 1%, 2%, and 5% are available upon request

Packaging

Packaging Option	Packaging Code	Standard Quantity	Standard
Tape and Reel	-TR	2500	EIA-481

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