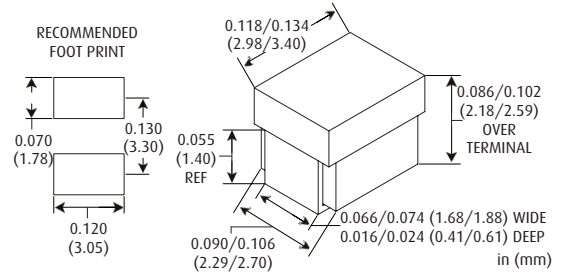


**SM3 SERIES**



Molded Unshielded Temperature Stable Inductor



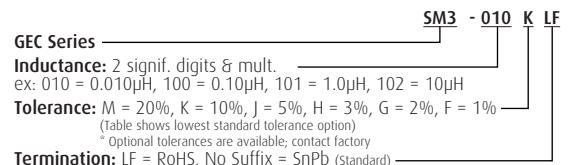
PART NUMBER	L $\mu$ H	L TEST FREQ MHz	SRF MHz MIN	DCR $\Omega$ MAX	CURRENT RATING mA DC
<b>PHENOLIC CORE</b>					
SM3-010J	0.010	10	3800 <sup>1</sup>	0.040	1741
SM3-012J	0.012	10	3300 <sup>1</sup>	0.040	1741
SM3-015J	0.015	10	3020 <sup>1</sup>	0.050	1558
SM3-018J	0.018	10	2500 <sup>1</sup>	0.050	1558
SM3-022J	0.022	10	2260 <sup>1</sup>	0.060	1422
SM3-027J	0.027	10	1900 <sup>1</sup>	0.070	1316
SM3-033J	0.033	10	1700 <sup>1</sup>	0.080	1231
SM3-039J	0.039	10	1630 <sup>1</sup>	0.090	1161
SM3-047J	0.047	10	1414	0.090	1161
SM3-056J	0.056	10	1321	0.100	111
SM3-068J	0.068	10	1222	0.100	1101
SM3-082J	0.082	10	812	0.120	1005
<b>POWDERED IRON CORE</b>					
SM3-100F	0.100	10	708	0.070	1721
SM3-120F	0.120	10	686	0.080	1609
SM3-150F	0.150	10	626	0.080	1609
SM3-180F	0.180	10	552	0.090	1517
SM3-220F	0.220	10	452	0.120	1314
SM3-270F	0.270	10	400	0.120	1314
SM3-330F	0.330	10	400	0.140	1217
SM3-390F	0.390	10	320	0.170	1104
SM3-470F	0.470	10	250	0.200	1018
SM3-560F	0.560	10	170	0.270	876
SM3-680F	0.680	10	150	0.300	831
SM3-820F	0.820	10	120	0.330	792
SM3-101F	1.0	10	100	0.350	769
SM3-121F	1.2	4	90	0.400	720
SM3-151F	1.5	4	80	0.450	679
SM3-181F	1.8	4	70	0.700	544
SM3-221F	2.2	4	60	0.800	509
SM3-271F	2.7	4	55	0.950	467
SM3-331F	3.3	4	50	1.0	455
SM3-391F	3.9	4	47	1.5	372
SM3-471F	4.7	4	45	1.9	330
SM3-561F	5.6	4	40	2.1	314
SM3-681F	6.8	4	35	2.2	307
SM3-821F	8.2	4	25	2.6	282
SM3-102F	10	4	25	2.8	272
SM3-122F	12	1	18	3.7	237
SM3-152F	15	1	17	5.3	198
SM3-182F	18	1	16	6.2	183
SM3-222F	22	1	15	6.7	176
SM3-272F	27	1	14	7.5	166
SM3-332F	33	1	13	8.5	156
SM3-392F	39	1	12	9.5	148
SM3-472F	47	1	10	11.4	135

<sup>1</sup> SRF approximate nominal values for design info only.

**NOTES**

- **Operating Temperature Range:** -55°C to +125°C
- **Current Rating** is based on a 35°C temperature rise at an ambient temperature of 90°C
- **Weight Max:** 0.05 grams
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering
- Materials are fungus-inert to meet method 508 of MIL-STD-810H
- Especially designed for applications where High Q, Low DCR and High Temperature Stability are required.
- Custom designs are available to meet your specific requirements; please contact factory

**PART NUMBER DERIVATION**



**TAPE AND REEL SPECS**

<b>Pieces/reel maximum:</b>	2000
<b>Pitch between parts:</b>	8 mm
<b>Tape width:</b>	8 mm
<b>Reel diameter:</b>	7 in.