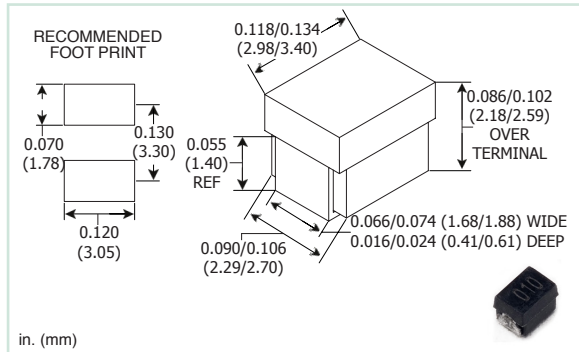


SM3 TRADITIONAL Pb
SM3LF* ROHS COMPLIANT

Molded Unshielded Temperature Stable Inductor



in. (mm)

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
- **Marking:** XXX (Dash Number) 010
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering
- SRF approximate nominal values for design info only
- When ordering, specify **tolerance & termination:**

SM3-010JLF

Tolerance: M = 20%, K = 10%, J = 5%, H = 3%, G = 2%, F = 1%
 (Table shows lowest standard tolerance option)
 *Optional tolerances are available; contact factory

Termination: LF = RoHS compliant tin-silver copper over copper

- Custom designs are available to meet your specific requirements; please contact factory

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2000
Pitch between parts:	8 mm
Tape width:	8 mm
Reel diameter:	7 in.

PART NUMBER	L μ H	L TEST FREQ MHz	SRF MIN MHz	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE					
SM3-010J	0.010	10	3800*	0.04	1741
SM3-012J	0.012	10	3300*	0.04	1741
SM3-015J	0.015	10	3020*	0.05	1558
SM3-018J	0.018	10	2500*	0.05	1558
SM3-022J	0.022	10	2260*	0.06	1422
SM3-027J	0.027	10	1900*	0.07	1316
SM3-033J	0.033	10	1700*	0.08	1231
SM3-039J	0.039	10	1630*	0.09	1161
SM3-047J	0.047	10	1414	0.09	1161
SM3-056J	0.056	10	1321	0.10	1101
SM3-068J	0.068	10	1222	0.10	1101
SM3-082J	0.082	10	812	0.12	1005
POWDERED IRON CORE					
SM3-100F	0.10	10	708	0.07	1721
SM3-120F	0.12	10	686	0.08	1609
SM3-150F	0.15	10	626	0.08	1609
SM3-180F	0.18	10	552	0.09	1517
SM3-220F	0.22	10	452	0.12	1314
SM3-270F	0.27	10	400	0.12	1314
SM3-330F	0.33	10	400	0.14	1217
SM3-390F	0.39	10	320	0.17	1104
SM3-470F	0.47	10	250	0.20	1018
SM3-560F	0.56	10	170	0.27	876
SM3-680F	0.68	10	150	0.30	831
SM3-820F	0.82	10	120	0.33	792
SM3-101F	1.0	10	100	0.35	769
SM3-121F	1.2	4	90	0.40	720
SM3-151F	1.5	4	80	0.45	679
SM3-181F	1.8	4	70	0.70	544
SM3-221F	2.2	4	60	0.80	509
SM3-271F	2.7	4	55	0.95	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

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