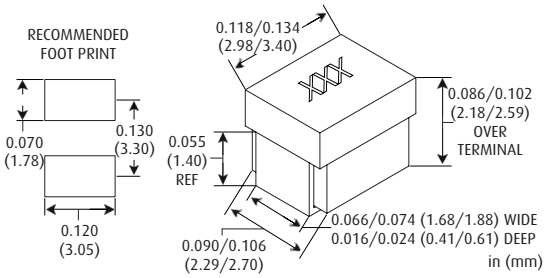
SML32 SERIES

Molded Unshielded Inductor



PART NUMBER	L µH	Q MIN	L&Q TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
SML32-010G	0.010	15	100	>1800	0.130	966
SML32-012G	0.012	17	100	>1800	0.140	931
SML32-015G	0.015	19	100	>1800	0.160	871
SML32-018G	0.018	21	100	>1800	0.180	821
SML32-022G	0.022	23	100	1700	0.200	779
SML32-027G	0.027	23	100	1500	0.220	743
SML32-033G	0.033	25	100	1400	0.240	711
SML32-039G	0.039	25	100	1300	0.270	670
SML32-047G	0.047	26	100	1200	0.270	636
SML32-056G	0.056	26	100	1100	0.330	606
SML32-068G	0.068	27	100	1000	0.360	580
SML32-082G	0.082	27	100	900	0.400	551
SML32-100G	0.100	28	100	700	0.440	525
POWDERED IRON CORE						
SML32-120G	0.120	30	25.2	500	0.220	971
SML32-150G	0.150	30	25.2	450	0.250	910
SML32-180G	0.180	30	25.2	400	0.280	860
SML32-220G	0.220	30	25.2	350	0.320	805
SML32-270G	0.270	30	25.2	320	0.360	749
SML32-330G	0.330	30	25.2	300	0.400	720
SML32-390G	0.390	30	25.2	250	0.450	679
SML32-470G	0.470	30	25.2	220	0.500	644
SML32-560G	0.560	30	25.2	180	0.550	614
SML32-680G	0.680	30	25.2	160	0.600	588
SML32-820G	0.820	30	25.2	140	0.670	556
SML32-101G	1.0	30	7.96	120	0.700	544
SML32-121G	1.2	30	7.96	100	0.750	526
SML32-151G	1.5	30	7.96	85	0.850	494
SML32-181G	1.8	30	7.96	80	0.900	480
SML32-221G	2.2	30	7.96	75	1.0	455
SML32-271G	2.7	30	7.96	70	1.1	434
FERRITE CORE						
SML32-331G	3.3	30	7.96	60	1.2	393
SML32-391G	3.9	30	7.96	55	1.3	378
SML32-471G	4.7	30	7.96	50	1.5	352
SML32-561G	5.6	30	7.96	47	1.6	341
SML32-681G	6.8	30	7.96	43	1.8	321
SML32-821G	8.2	30	7.96	40	2.0	305
SML32-102G	10	30	2.52	36	2.1	297
SML32-122G	12	30	2.52	33	2.5	272
SML32-152G	15	30	2.52	30	2.8	257
SML32-182G	18	30	2.52	27	3.3	237
SML32-222G	22	30	2.52	25	3.7	224
SML32-272G	27	30	2.52	20	5.0	193
SML32-332G	33	30	2.52	17	6.0	182
SML32-392G	39	30	2.52	16	6.4	170
SML32-472G	47	30	2.52	15	7.0	163
SML32-562G	56	30	2.52	13	8.0	152
SML32-682G	68	30	2.52	12	9.0	144
SML32-822G	82	30	2.52	9	10	136
SML32-103G	100	30	2.52	8	10	120

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) (see diagram above)
- 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
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION

SML32 - 010 G LF

GEC Series

Inductance: 2 signif. digits & mult.
ex: 010 = 0.010µH, 100 = 0.10µH, 101 = 1.0µH, 102 = 10µH

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, No Suffix = SnPb (Standard)

TAPE AND REEL SPECS

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

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Made in the U.S.A.

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