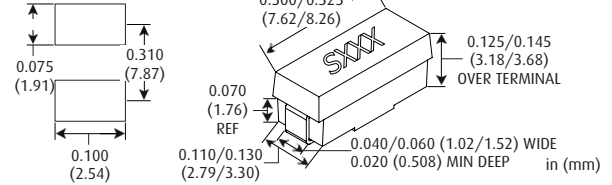


SMRF3013S SERIES
Molded Shielded Inductor



RECOMMENDED FOOT PRINT

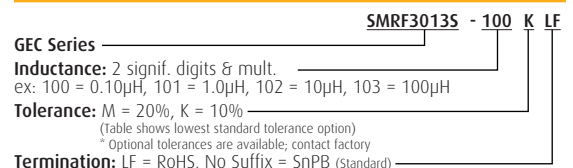


PART NUMBER	L μ H	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC	INC I mA DC
POWDERED IRON CORE / POWDERED IRON SLEEVE							
SMRF3013S-100K	0.10	60	25	490	0.08	1124	1124
SMRF3013S-120K	0.12	60	25	430	0.08	1124	1124
SMRF3013S-150K	0.15	60	25	415	0.08	1124	1124
SMRF3013S-180K	0.18	60	25	375	0.10	1005	1005
SMRF3013S-220K	0.22	60	25	330	0.11	959	959
SMRF3013S-270K	0.27	60	25	300	0.11	959	959
SMRF3013S-330K	0.33	60	25	260	0.12	918	918
SMRF3013S-390K	0.39	60	25	230	0.13	882	882
SMRF3013S-470K	0.47	60	25	220	0.13	882	882
SMRF3013S-560K	0.56	55	25	210	0.15	821	821
SMRF3013S-680K	0.68	52	25	180	0.17	771	771
SMRF3013S-820K	0.82	50	25	165	0.20	711	711
SMRF3013S-101K	1.0	48	25	150	0.24	649	649
SMRF3013S-121K	1.2	45	7.9	130	0.28	601	601
SMRF3013S-151K	1.5	45	7.9	115	0.30	580	580
SMRF3013S-181K	1.8	47	7.9	105	0.35	537	537
SMRF3013S-221K	2.2	49	7.9	95	0.55	537	537
SMRF3013S-271K	2.7	50	7.9	90	0.65	394	394
SMRF3013S-331K	3.3	52	7.9	80	0.70	380	380
SMRF3013S-391K	3.9	55	7.9	75	0.75	367	367
SMRF3013S-471K	4.7	55	7.9	70	1.20	290	290
SMRF3013S-561K	5.6	55	7.9	60	1.50	260	260
SMRF3013S-681K	6.8	55	7.9	55	1.70	244	244
SMRF3013S-821K	8.2	55	7.9	53	2.00	225	225
SMRF3013S-102K	10	55	7.9	50	2.60	197	197
POWDERED IRON CORE / FERRITE SLEEVE							
SMRF3013S-122K	12	55	2.5	35	2.8	190	190
SMRF3013S-152K	15	45	2.5	30	3.4	172	172
SMRF3013S-182K	18	45	2.5	26	3.8	163	163
SMRF3013S-222K	22	45	2.5	24	4.9	144	144
SMRF3013S-272K	27	45	2.5	21	5.8	132	132
SMRF3013S-332K	33	50	2.5	20	6.5	125	125
SMRF3013S-392K	39	50	2.5	19	7.9	113	113
SMRF3013S-472K	47	55	2.5	16	9.3	104	104
SMRF3013S-562K	56	55	2.5	15	11	96	96
SMRF3013S-682K	68	55	2.5	13	12	92	92
SMRF3013S-822K	82	55	2.5	11	13	88	88
SMRF3013S-103K	100	55	2.5	10.5	16.8	78	78
FERRITE CORE / FERRITE SLEEVE							
SMRF3013S-123K	120	60	0.79	13	5.8	132	27
SMRF3013S-153K	150	60	0.79	12	7.9	113	24
SMRF3013S-183K	180	60	0.79	11	9.4	104	22
SMRF3013S-223K	220	60	0.79	10	10	101	20
SMRF3013S-273K	270	60	0.79	9	11	96	18
SMRF3013S-333K	330	60	0.79	8	13	88	16
SMRF3013S-393K	390	60	0.79	7.8	15	82	14
SMRF3013S-473K	470	60	0.79	7.5	17	77	13
SMRF3013S-563K	560	60	0.79	7	19	73	12

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
- **Incremental Current** is the approximate value that will reduce the initial inductance by 5%
- **Weight Max:** 0.30 grams
- **Marking:** SXXX (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
- L & Q tested on HP4194A @ 0.01V
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION



TAPE AND REEL SPECS

Pieces/reel maximum:	2200
Pitch between parts:	8 mm
Tape width:	16 mm
Reel diameter:	13 in.