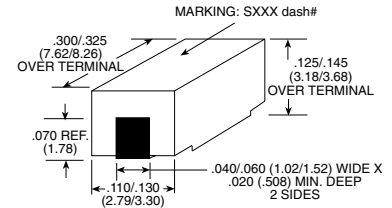


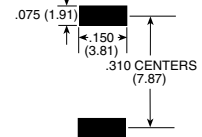


## SMRF3013S Shielded RF Inductors

PART NUMBER	INDUCTANCE $\mu\text{H}$ $\pm 10\%$	Q MIN	TEST FREQ. MHz	SRF MHz MIN	DCR OHMS MAX	CURRENT* RATING DC mA	INCR** CURRENT DC mA	CORE MATERIAL
SMRF3013S-100K	.10	60	25	490	.08	1124	1124	IRON CORE/IRON SLEEVE
SMRF3013S-120K	.12	60	25	430	.08	1124	1124	IRON CORE/IRON SLEEVE
SMRF3013S-150K	.15	60	25	415	.08	1124	1124	IRON CORE/IRON SLEEVE
SMRF3013S-180K	.18	60	25	375	.10	1005	1005	IRON CORE/IRON SLEEVE
SMRF3013S-220K	.22	60	25	330	.11	959	959	IRON CORE/IRON SLEEVE
SMRF3013S-270K	.27	60	25	300	.11	959	959	IRON CORE/IRON SLEEVE
SMRF3013S-330K	.33	60	25	260	.12	918	918	IRON CORE/IRON SLEEVE
SMRF3013S-390K	.39	60	25	230	.13	882	882	IRON CORE/IRON SLEEVE
SMRF3013S-470K	.47	60	25	220	.13	882	882	IRON CORE/IRON SLEEVE
SMRF3013S-560K	.56	55	25	210	.15	821	821	IRON CORE/IRON SLEEVE
SMRF3013S-680K	.68	52	25	180	.17	771	771	IRON CORE/IRON SLEEVE
SMRF3013S-820K	.82	50	25	165	.20	711	711	IRON CORE/IRON SLEEVE
SMRF3013S-101K	1.0	48	25	150	.24	649	649	IRON CORE/IRON SLEEVE
SMRF3013S-121K	1.2	45	7.9	130	.28	601	601	IRON CORE/IRON SLEEVE
SMRF3013S-151K	1.5	45	7.9	115	.30	580	580	IRON CORE/IRON SLEEVE
SMRF3013S-181K	1.8	47	7.9	105	.35	537	537	IRON CORE/IRON SLEEVE
SMRF3013S-221K	2.2	49	7.9	95	.55	537	537	IRON CORE/IRON SLEEVE
SMRF3013S-271K	2.7	50	7.9	90	.65	394	394	IRON CORE/IRON SLEEVE
SMRF3013S-331K	3.3	52	7.9	80	.70	380	380	IRON CORE/IRON SLEEVE
SMRF3013S-391K	3.9	55	7.9	75	.75	367	367	IRON CORE/IRON SLEEVE
SMRF3013S-471K	4.7	55	7.9	70	1.2	290	290	IRON CORE/IRON SLEEVE
SMRF3013S-561K	5.6	55	7.9	60	1.5	260	260	IRON CORE/IRON SLEEVE
SMRF3013S-681K	6.8	55	7.9	55	1.7	244	244	IRON CORE/IRON SLEEVE
SMRF3013S-821K	8.2	55	7.9	53	2.0	225	225	IRON CORE/IRON SLEEVE
SMRF3013S-102K	10	55	7.9	50	2.6	197	197	IRON CORE/IRON SLEEVE
SMRF3013S-122K	12	55	2.5	35	2.8	190	190	IRON CORE/FERRITE SLEEVE
SMRF3013S-152K	15	45	2.5	30	3.4	172	172	IRON CORE/FERRITE SLEEVE
SMRF3013S-182K	18	45	2.5	26	3.8	163	163	IRON CORE/FERRITE SLEEVE
SMRF3013S-222K	22	45	2.5	24	4.9	144	144	IRON CORE/FERRITE SLEEVE
SMRF3013S-272K	27	45	2.5	21	5.8	132	132	IRON CORE/FERRITE SLEEVE
SMRF3013S-332K	33	50	2.5	20	6.5	125	125	IRON CORE/FERRITE SLEEVE
SMRF3013S-392K	39	50	2.5	19	7.9	113	113	IRON CORE/FERRITE SLEEVE
SMRF3013S-472K	47	55	2.5	16	9.3	104	104	IRON CORE/FERRITE SLEEVE
SMRF3013S-562K	56	55	2.5	15	11.0	96	96	IRON CORE/FERRITE SLEEVE
SMRF3013S-682K	68	55	2.5	13	12.0	92	92	IRON CORE/FERRITE SLEEVE
SMRF3013S-822K	82	55	2.5	11	13.0	88	88	IRON CORE/FERRITE SLEEVE
SMRF3013S-103K	100	55	2.5	10.5	16.8	78	78	IRON CORE/FERRITE SLEEVE
SMRF3013S-123K	120	60	.79	13	5.80	132	27	FERRITE CORE/FERRITE SLEEVE
SMRF3013S-153K	150	60	.79	12	7.90	113	24	FERRITE CORE/FERRITE SLEEVE
SMRF3013S-183K	180	60	.79	11	9.40	104	22	FERRITE CORE/FERRITE SLEEVE
SMRF3013S-223K	220	60	.79	10	10	101	20	FERRITE CORE/FERRITE SLEEVE
SMRF3013S-273K	270	60	.79	9.0	11	96	18	FERRITE CORE/FERRITE SLEEVE
SMRF3013S-333K	330	60	.79	8.0	13	88	16	FERRITE CORE/FERRITE SLEEVE
SMRF3013S-393K	390	60	.79	7.8	15	82	14	FERRITE CORE/FERRITE SLEEVE
SMRF3013S-473K	470	60	.79	7.5	17	77	13	FERRITE CORE/FERRITE SLEEVE
SMRF3013S-563K	560	60	.79	7.0	19	73	12	FERRITE CORE/FERRITE SLEEVE



RECOMMENDED FOOT PRINT



**NOTES:**

- Epoxy Encapsulated
  - Operating temperature -55°C to +125°C
  - L and Q tested on HP4194A @ .01V
  - Custom values available
  - Supplied on tape and reel
  - RF Shielded Applications
- \*Current rating is the current that will create a 35°C temperature rise from a 90°C ambient.  
 \*\*The Incremental current is the current that will cause a maximum 5% decrease in inductance.