

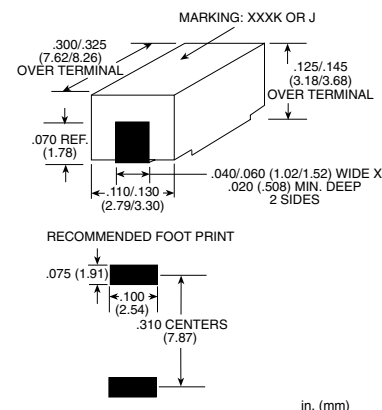
RF INDUCTORS - SURFACE MOUNT



SMRF3013LF RoHS Unshielded RF Inductors



PART NUMBER	INDUCTANCE μ H	Q MIN	TEST FREQ. MHz	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING* DC mA	CORE MATERIAL
SMRF3013-100KLF	.10 $\pm$ 10%	40	25	680	.08	1590	Phenolic Core
SMRF3013-110JLF	.11 $\pm$ 5%	40	25	660	.085	1542	Phenolic Core
SMRF3013-120KLF	.12 $\pm$ 10%	40	25	640	.09	1499	Phenolic Core
SMRF3013-130JLF	.13 $\pm$ 5%	38	25	625	.095	1459	Phenolic Core
SMRF3013-150KLF	.15 $\pm$ 10%	38	25	600	.10	1422	Phenolic Core
SMRF3013-160JLF	.16 $\pm$ 5%	35	25	580	.11	1356	Phenolic Core
SMRF3013-180KLF	.18 $\pm$ 10%	35	25	550	.12	1298	Phenolic Core
SMRF3013-200JLF	.20 $\pm$ 5%	33	25	530	.13	1247	Phenolic Core
SMRF3013-220KLF	.22 $\pm$ 10%	33	25	510	.14	1202	Phenolic Core
SMRF3013-240JLF	.24 $\pm$ 5%	33	25	475	.15	1161	Phenolic Core
SMRF3013-270KLF	.27 $\pm$ 10%	33	25	430	.16	1124	Phenolic Core
SMRF3013-300JLF	.30 $\pm$ 5%	30	25	420	.19	1032	Phenolic Core
SMRF3013-330KLF	.33 $\pm$ 10%	30	25	410	.22	959	Phenolic Core
SMRF3013-360JLF	.36 $\pm$ 5%	30	25	385	.26	882	Phenolic Core
SMRF3013-390KLF	.39 $\pm$ 10%	30	25	365	.30	821	Phenolic Core
SMRF3013-430JLF	.43 $\pm$ 5%	30	25	345	.325	789	Phenolic Core
SMRF3013-470KLF	.47 $\pm$ 10%	30	25	330	.35	760	Phenolic Core
SMRF3013-510JLF	.51 $\pm$ 5%	30	25	310	.42	649	Phenolic Core
SMRF3013-560KLF	.56 $\pm$ 10%	30	25	300	.50	636	Phenolic Core
SMRF3013-620JLF	.62 $\pm$ 5%	28	25	290	.55	606	Phenolic Core
SMRF3013-680KLF	.68 $\pm$ 10%	28	25	275	.60	580	Phenolic Core
SMRF3013-750JLF	.75 $\pm$ 5%	28	25	265	.71	534	Phenolic Core
SMRF3013-820KLF	.82 $\pm$ 10%	28	25	250	.85	488	Phenolic Core
SMRF3013-910JLF	.91 $\pm$ 5%	25	25	240	.925	468	Phenolic Core
SMRF3013-101KLF	1.0 $\pm$ 10%	25	25	230	1.00	450	Phenolic Core
SMRF3013-111JLF	1.1 $\pm$ 5%	25	7.9	165	.17	1100	Powdered Iron Core
SMRF3013-121KLF	1.2 $\pm$ 10%	25	7.9	150	.18	1060	Powdered Iron Core
SMRF3013-131JLF	1.3 $\pm$ 5%	28	7.9	145	.20	1005	Powdered Iron Core
SMRF3013-151KLF	1.5 $\pm$ 10%	28	7.9	140	.22	959	Powdered Iron Core
SMRF3013-161JLF	1.6 $\pm$ 5%	30	7.9	135	.25	899	Powdered Iron Core
SMRF3013-181KLF	1.8 $\pm$ 10%	30	7.9	125	.30	821	Powdered Iron Core
SMRF3013-201JLF	2.0 $\pm$ 5%	30	7.9	120	.35	760	Powdered Iron Core
SMRF3013-221KLF	2.2 $\pm$ 10%	30	7.9	115	.40	711	Powdered Iron Core
SMRF3013-241JLF	2.4 $\pm$ 5%	37	7.9	109	.46	663	Powdered Iron Core
SMRF3013-271KLF	2.7 $\pm$ 10%	37	7.9	100	.55	606	Powdered Iron Core
SMRF3013-301JLF	3.0 $\pm$ 5%	45	7.9	95	.70	537	Powdered Iron Core
SMRF3013-331KLF	3.3 $\pm$ 10%	45	7.9	90	.85	488	Powdered Iron Core
SMRF3013-361JLF	3.6 $\pm$ 5%	45	7.9	85	.925	468	Powdered Iron Core
SMRF3013-391KLF	3.9 $\pm$ 10%	45	7.9	80	1.00	450	Powdered Iron Core
SMRF3013-431JLF	4.3 $\pm$ 5%	45	7.9	77	1.10	429	Powdered Iron Core
SMRF3013-471KLF	4.7 $\pm$ 10%	45	7.9	75	1.20	410	Powdered Iron Core
SMRF3013-511JLF	5.1 $\pm$ 5%	50	7.9	69	1.47	371	Powdered Iron Core
SMRF3013-561KLF	5.6 $\pm$ 10%	50	7.9	65	1.80	335	Powdered Iron Core
SMRF3013-621JLF	6.2 $\pm$ 5%	50	7.9	62	1.90	326	Powdered Iron Core
SMRF3013-681KLF	6.8 $\pm$ 10%	50	7.9	60	2.00	318	Powdered Iron Core
SMRF3013-751JLF	7.5 $\pm$ 5%	50	7.9	57	2.35	293	Powdered Iron Core
SMRF3013-821KLF	8.2 $\pm$ 10%	55	7.9	55	2.70	274	Powdered Iron Core
SMRF3013-911JLF	9.1 $\pm$ 5%	55	7.9	52	3.00	260	Powdered Iron Core
SMRF3013-102KLF	10.0 $\pm$ 10%	55	7.9	50	3.70	234	Powdered Iron Core
SMRF3013-112JLF	11.0 $\pm$ 5%	45	2.5	45	2.60	279	Powdered Iron Core
SMRF3013-122KLF	12.0 $\pm$ 10%	45	2.5	40	2.70	274	Powdered Iron Core
SMRF3013-132JLF	13.0 $\pm$ 5%	45	2.5	38	2.80	269	Powdered Iron Core
SMRF3013-152KLF	15.0 $\pm$ 10%	45	2.5	35	2.80	269	Powdered Iron Core
SMRF3013-162JLF	16.0 $\pm$ 5%	45	2.5	33	2.90	264	Powdered Iron Core
SMRF3013-182KLF	18.0 $\pm$ 10%	50	2.5	30	3.10	255	Powdered Iron Core
SMRF3013-202JLF	20.0 $\pm$ 5%	50	2.5	27.5	3.20	251	Powdered Iron Core
SMRF3013-222KLF	22.0 $\pm$ 10%	50	2.5	25	3.30	248	Powdered Iron Core
SMRF3013-242JLF	24.0 $\pm$ 5%	50	2.5	23	3.40	244	Powdered Iron Core
SMRF3013-272KLF	27.0 $\pm$ 10%	50	2.5	20	3.50	240	Powdered Iron Core



NOTES:

- * Operating temperature -55°C to +125°C
- * Rated current is based on a 35°C temperature rise at an ambient temperature of 90°C.

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2200
Pitch between parts:	8 mm
Tape width:	16 mm
Reel diameter inches:	13

Optional tolerances available, consult factory

continued next page

SMRF3013LF - continued

PART NUMBER	INDUCTANCE μ H	Q MIN	TEST FREQ. MHz	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING* DC mA	CORE MATERIAL
SMRF3013-302JLF	30.0 $\pm$ 5%	45	2.5	22	3.30	248	Ferrite Core
SMRF3013-332KLF	33.0 $\pm$ 10%	45	2.5	24	3.40	244	Ferrite Core
SMRF3013-362JLF	36.0 $\pm$ 5%	45	2.5	23	3.50	240	Ferrite Core
SMRF3013-392KLF	39.0 $\pm$ 10%	45	2.5	22	3.60	237	Ferrite Core
SMRF3013-432JLF	43.0 $\pm$ 5%	45	2.5	21	4.10	222	Ferrite Core
SMRF3013-472KLF	47.0 $\pm$ 10%	45	2.5	20	4.50	212	Ferrite Core
SMRF3013-512JLF	51.0 $\pm$ 5%	45	2.5	19	5.00	201	Ferrite Core
SMRF3013-562KLF	56.0 $\pm$ 10%	45	2.5	18	5.70	188	Ferrite Core
SMRF3013-622JLF	62.0 $\pm$ 5%	50	2.5	16.5	6.20	181	Ferrite Core
SMRF3013-682KLF	68.0 $\pm$ 10%	50	2.5	15	6.70	174	Ferrite Core
SMRF3013-752JLF	75.0 $\pm$ 5%	50	2.5	14.5	7.00	170	Ferrite Core
SMRF3013-822KLF	82.0 $\pm$ 10%	50	2.5	14	7.30	166	Ferrite Core
SMRF3013-912JLF	91.0 $\pm$ 5%	50	2.5	13.5	7.70	162	Ferrite Core
SMRF3013-103KLF	100.0 $\pm$ 10%	50	2.5	13	8.00	159	Ferrite Core
SMRF3013-113JLF	110.0 $\pm$ 5%	30	.79	12.5	11.0	136	Ferrite Core
SMRF3013-123KLF	120.0 $\pm$ 10%	30	.79	12	13	125	Ferrite Core
SMRF3013-133JLF	130.0 $\pm$ 5%	30	.79	11.5	14	120	Ferrite Core
SMRF3013-153KLF	150.0 $\pm$ 10%	30	.79	11	15	116	Ferrite Core
SMRF3013-163JLF	160.0 $\pm$ 5%	30	.79	10.5	16	112	Ferrite Core
SMRF3013-183KLF	180.0 $\pm$ 10%	30	.79	10	17	109	Ferrite Core
SMRF3013-203JLF	200.0 $\pm$ 5%	30	.79	9.5	19	103	Ferrite Core
SMRF3013-223KLF	220.0 $\pm$ 10%	30	.79	9.0	21	98	Ferrite Core
SMRF3013-243JLF	240.0 $\pm$ 5%	30	.79	8.5	23	93	Ferrite Core
SMRF3013-273KLF	270.0 $\pm$ 10%	30	.79	8.0	25	90	Ferrite Core
SMRF3013-303JLF	300.0 $\pm$ 5%	30	.79	7.5	27	87	Ferrite Core
SMRF3013-333KLF	330.0 $\pm$ 10%	30	.79	7.0	28	85	Ferrite Core
SMRF3013-363JLF	360.0 $\pm$ 5%	30	.79	6.75	32	79	Ferrite Core
SMRF3013-393KLF	390.0 $\pm$ 10%	30	.79	6.50	35	76	Ferrite Core
SMRF3013-433JLF	430.0 $\pm$ 5%	30	.79	6.25	39	72	Ferrite Core
SMRF3013-473KLF	470.0 $\pm$ 10%	30	.79	6.00	42	69	Ferrite Core
SMRF3013-513JLF	510.0 $\pm$ 5%	30	.79	5.50	44	68	Ferrite Core
SMRF3013-563KLF	560.0 $\pm$ 10%	30	.79	5.00	46	66	Ferrite Core
SMRF3013-623JLF	620.0 $\pm$ 5%	30	.79	4.60	53	62	Ferrite Core
SMRF3013-683KLF	680.0 $\pm$ 10%	30	.79	4.00	60	58	Ferrite Core
SMRF3013-753JLF	750.0 $\pm$ 5%	30	.79	4.00	63	57	Ferrite Core
SMRF3013-823KLF	820.0 $\pm$ 10%	30	.79	3.80	65	56	Ferrite Core
SMRF3013-913JLF	910.0 $\pm$ 5%	30	.79	3.60	69	54	Ferrite Core
SMRF3013-104KLF	1000.0 $\pm$ 10%	30	.79	3.40	72	53	Ferrite Core

Optional tolerances available, consult factory

Q VS. FREQUENCY
SMRF3013 SERIES

