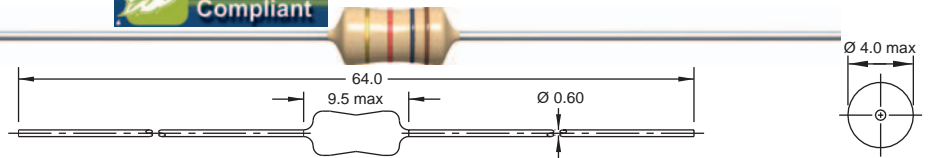
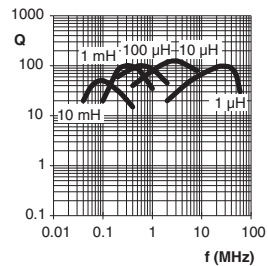


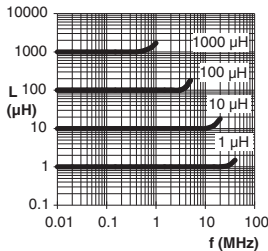
# SMCC, SMCC/N



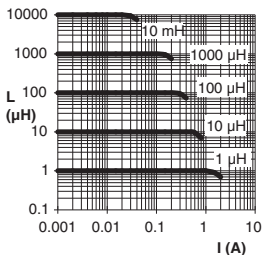
Typical Q vs Frequency(f)



Typical L vs Frequency(f)



Typical L vs Current



Leaded Inductors

Part No	Inductance L (μH)	SMCC SMCC/N		Tol ± (%)	Q min	f <sub>Q</sub> (MHz)	SRF min (MHz)	DCR max (Ω)	Rated DC Current (mA)	Material
		f <sub>L</sub> (MHz)	f <sub>L</sub> (MHz)							
SMCC-R10X-YY	0.1	1	25.2	10,20	45	25.2	380	0.08	1600	Phenolic
SMCC-R12X-YY	0.12	1	25.2	10,20	45	25.2	360	0.1	1550	Phenolic
SMCC-R15X-YY	0.15	1	25.2	10,20	45	25.2	340	0.1	1500	Phenolic
SMCC-R18X-YY	0.18	1	25.2	10,20	45	25.2	320	0.1	1480	Phenolic
SMCC-R22X-YY	0.22	1	25.2	10,20	45	25.2	300	0.1	1450	Phenolic
SMCC-R27X-YY	0.27	1	25.2	10,20	45	25.2	270	0.11	1400	Phenolic
SMCC-R33X-YY	0.33	1	25.2	10,20	45	25.2	250	0.12	1350	Phenolic
SMCC-R39X-YY	0.39	1	25.2	10,20	45	25.2	230	0.13	1300	Phenolic
SMCC-R47X-YY	0.47	1	25.2	10,20	45	25.2	220	0.14	1280	Phenolic
SMCC-R56X-YY	0.56	1	25.2	10,20	45	25.2	210	0.15	1240	Phenolic
SMCC-R68X-YY	0.68	1	25.2	10,20	45	25.2	200	0.16	1230	Phenolic
SMCC-R82X-YY	0.82	1	25.2	10,20	45	25.2	190	0.17	1210	Phenolic
SMCC-1R0X-YY	1	1	25.2	5,10,20	45	25.2	205	0.16	1200	Ferrite
SMCC-1R2X-YY	1.2	1	7.96	5,10,20	50	7.96	185	0.18	1150	Ferrite
SMCC-1R5X-YY	1.5	1	7.96	5,10,20	50	7.96	165	0.2	1100	Ferrite
SMCC-1R8X-YY	1.8	1	7.96	5,10,20	55	7.96	155	0.22	1030	Ferrite
SMCC-2R2X-YY	2.2	1	7.96	5,10,20	55	7.96	140	0.25	100	Ferrite
SMCC-2R7X-YY	2.7	1	7.96	5,10,20	60	7.96	125	0.26	940	Ferrite
SMCC-3R3X-YY	3.3	1	7.96	5,10,20	60	7.96	115	0.29	900	Ferrite
SMCC-3R9X-YY	3.9	1	7.96	5,10,20	60	7.96	105	0.31	850	Ferrite
SMCC-4R7X-YY	4.7	1	7.96	5,10,20	60	7.96	95	0.34	820	Ferrite
SMCC-5R6X-YY	5.6	1	7.96	5,10,20	60	7.96	85	0.38	780	Ferrite
SMCC-6R2X-YY	6.2	1	7.96	5,10,20	65	7.96	75	0.61	670	Ferrite
SMCC-6R8X-YY	6.8	1	7.96	5,10,20	65	7.96	75	0.51	670	Ferrite
SMCC-8R2X-YY	8.2	1	7.96	5,10,20	65	7.96	50	0.48	690	Ferrite
SMCC-100X-YY	10	1	7.96	5,10,20	65	7.96	35	0.49	680	Ferrite
SMCC-120X-YY	12	0.02	2.52	5,10,20	50	2.52	30	0.55	650	Ferrite
SMCC-150X-YY	15	0.02	2.52	5,10,20	50	2.52	20	0.6	610	Ferrite
SMCC-180X-YY	18	0.02	2.52	5,10,20	50	2.52	17	0.67	580	Ferrite
SMCC-200X-YY	20	0.02	2.52	5,10,20	50	2.52	13	0.74	560	Ferrite
SMCC-220X-YY	22	0.02	2.52	5,10,20	50	2.52	13	0.74	560	Ferrite
SMCC-270X-YY	27	0.02	2.52	5,10,20	55	2.52	10	0.83	530	Ferrite
SMCC-300X-YY	30	0.02	2.52	5,10,20	55	2.52	9	0.92	500	Ferrite
SMCC-330X-YY	33	0.02	2.52	5,10,20	55	2.52	9	0.92	500	Ferrite
SMCC-390X-YY	39	0.02	2.52	5,10,20	55	2.52	8	1.02	470	Ferrite
SMCC-470X-YY	47	0.02	2.52	5,10,20	40	2.52	7.5	1.1	450	Ferrite
SMCC-560X-YY	56	0.02	2.52	5,10,20	40	2.52	7	1.23	430	Ferrite
SMCC-680X-YY	68	0.02	2.52	5,10,20	40	2.52	6.5	1.35	410	Ferrite
SMCC-820X-YY	82	0.02	2.52	5,10,20	35	2.52	6	1.54	390	Ferrite
SMCC-101X-YY	100	0.02	2.52	5,10,20	30	2.52	5	1.7	370	Ferrite
SMCC-121X-YY	120	0.02	0.79	5,10,20	70	0.79	4.5	2.4	300	Ferrite
SMCC-131X-YY	130	0.02	0.79	5,10,20	70	0.79	4.2	2.8	280	Ferrite
SMCC-151X-YY	150	0.02	0.79	5,10,20	70	0.79	4.2	2.8	280	Ferrite
SMCC-161X-YY	160	0.02	0.79	5,10,20	70	0.79	3.9	3	270	Ferrite
SMCC-181X-YY	180	0.02	0.79	5,10,20	70	0.79	3.9	3	270	Ferrite
SMCC-201X-YY	200	0.02	0.79	5,10,20	70	0.79	3.7	3.3	250	Ferrite
SMCC-221X-YY	220	0.02	0.79	5,10,20	70	0.79	3.7	3.3	250	Ferrite
SMCC-271X-YY	270	0.02	0.79	5,10,20	70	0.79	2.8	5.7	200	Ferrite
SMCC-281X-YY	280	0.02	0.79	5,10,20	70	0.79	2.8	5.7	-	Ferrite
SMCC-331X-YY	330	0.02	0.79	5,10,20	70	0.79	2.7	6.4	190	Ferrite
SMCC-351X-YY	350	0.02	0.79	5,10,20	70	0.79	2.4	6.4	180	Ferrite
SMCC-391X-YY	390	0.02	0.79	5,10,20	70	0.79	2.4	7	180	Ferrite
SMCC-471X-YY	470	0.02	0.79	5,10,20	70	0.79	2.2	7.9	170	Ferrite
SMCC-561X-YY	560	0.02	0.79	5,10,20	60	0.79	2	8.8	160	Ferrite
SMCC-681X-YY	680	0.02	0.79	5,10,20	55	0.79	1.9	10	150	Ferrite
SMCC-821X-YY	820	0.02	0.79	5,10,20	55	0.79	1.6	12	140	Ferrite
SMCC-102X-YY	1000	0.02	0.79	5,10,20	50	0.79	1.6	14	130	Ferrite
SMCC-122X-YY	1200	0.02	0.25	5,10,20	50	0.25	1.3	16.9	120	Ferrite
SMCC-152X-YY	1500	0.02	0.25	5,10,20	40	0.25	1.25	21.6	100	Ferrite
SMCC-182X-YY	1800	0.02	0.25	5,10,20	40	0.25	1.2	24	95	Ferrite
SMCC-222X-YY	2200	0.02	0.25	5,10,20	40	0.25	1.1	34.7	80	Ferrite
SMCC-272X-YY	2700	0.02	0.25	5,10,20	40	0.25	1	40	75	Ferrite
SMCC-332X-YY	3300	0.02	0.25	5,10,20	40	0.25	0.9	59.5	62	Ferrite
SMCC-352X-YY	3500	0.02	0.25	5,10,20	40	0.25	0.7	59.5	-	Ferrite
SMCC-392X-YY	3900	0.02	0.25	5,10,20	40	0.25	0.8	66	59	Ferrite
SMCC-472X-YY	4700	0.02	0.25	5,10,20	40	0.25	0.7	74	55	Ferrite
SMCC-502X-YY	5000	0.02	0.25	5,10,20	30	0.25	0.55	70	40	Ferrite
SMCC-562X-YY	5600	0.02	0.25	5,10,20	30	0.25	0.55	70	40	Ferrite
SMCC-682X-YY	6800	0.02	0.25	5,10,20	30	0.25	0.5	90	35	Ferrite
SMCC-822X-YY	8200	0.02	0.25	5,10,20	30	0.25	0.4	95	30	Ferrite
SMCC-103X-YY	10000	0.02	0.25	5,10,20	20	0.25	0.35	115	25	Ferrite

SPQ :

Packing Form	Loose / Box
Axial	2000 [-00]
Preformed	6000 [-20]
Radial	2000 [-50]

	Reel
Axial	3500 [-01]
Radial	1500 [-31]

	Taped / Ammopack
Axial	1200 [-02]
Radial	2500 [-32]