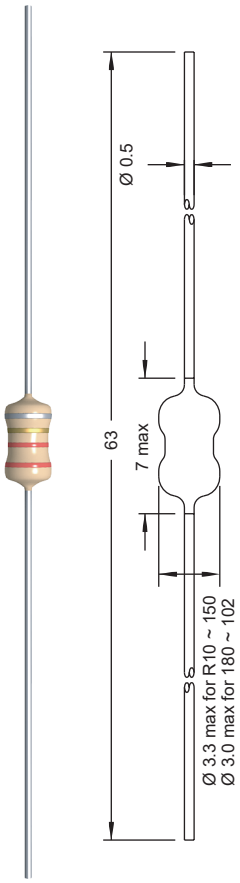
MICC

RoHS Halogen Free

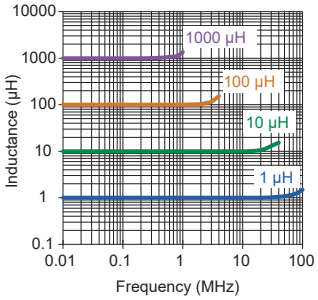
Mechanical Shock Vibration Proof

Leaded Inductors / Medical Applications

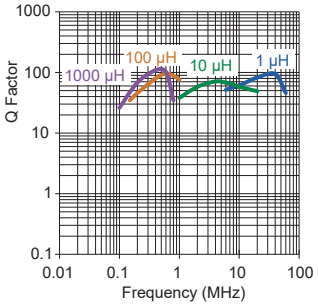
(Fixed Choke Coils)



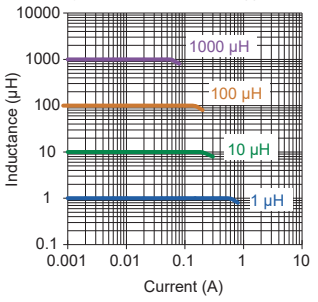
Typical Ls vs Frequency (*f*)



Typical Q vs Frequency (*f*)



Typical Ls vs Current (I)



Medical applications (non-magnetic)

Part No	Inductance L (µH)	f_L (MHz)	Tol ± (%)	Q min	f_Q (MHz)	SRF min (MHz)	DCR max (Ω)	Rated DC Current (A)	Core Material
MICC-R10X-YY	0.10	1	10,**20**	35	25.2	600	0.11	1.10	Phenolic
MICC-R11X-YY	0.11	1	10,**20**	35	25.2	570	0.12	1.10	Phenolic
MICC-R12X-YY	0.12	1	10,**20**	35	25.2	570	0.12	1.08	Phenolic
MICC-R15X-YY	0.15	1	10,**20**	35	25.2	500	0.13	1.02	Phenolic
MICC-R18X-YY	0.18	1	10,**20**	35	25.2	460	0.14	1.00	Phenolic
MICC-R20X-YY	0.20	1	10,**20**	35	25.2	420	0.16	0.99	Phenolic
MICC-R22X-YY	0.22	1	10,**20**	35	25.2	420	0.16	0.99	Phenolic
MICC-R27X-YY	0.27	1	10,**20**	35	25.2	380	0.17	0.91	Phenolic
MICC-R33X-YY	0.33	1	10,**20**	35	25.2	330	0.20	0.83	Phenolic
MICC-R39X-YY	0.39	1	10,**20**	35	25.2	300	0.22	0.79	Phenolic
MICC-R47X-YY	0.47	1	10,**20**	35	25.2	280	0.25	0.75	Phenolic
MICC-R56X-YY	0.56	1	10,**20**	35	25.2	260	0.28	0.70	Phenolic
MICC-R68X-YY	0.68	1	10,**20**	35	25.2	240	0.48	0.53	Phenolic
MICC-R82X-YY	0.82	1	10,**20**	35	25.2	230	0.55	0.50	Phenolic
MICC-1R0X-YY	1.0	1	5,**10**,20	35	25.2	180	0.25	0.63	Ferrite
MICC-1R2X-YY	1.2	1	5,**10**,20	40	7.96	170	0.25	0.61	Ferrite
MICC-1R3X-YY	1.3	1	5,**10**,20	40	7.96	170	0.25	0.61	Ferrite
MICC-1R5X-YY	1.5	1	5,**10**,20	40	7.96	150	0.30	0.57	Ferrite
MICC-1R8X-YY	1.8	1	5,**10**,20	40	7.96	130	0.30	0.54	Ferrite
MICC-2R2X-YY	2.2	1	5,**10**,20	40	7.96	120	0.35	0.52	Ferrite
MICC-2R4X-YY	2.4	1	5,**10**,20	40	7.96	110	0.40	0.48	Ferrite
MICC-2R7X-YY	2.7	1	5,**10**,20	40	7.96	110	0.40	0.48	Ferrite
MICC-3R3X-YY	3.3	1	5,**10**,20	40	7.96	110	0.50	0.42	Ferrite
MICC-3R9X-YY	3.9	1	5,**10**,20	40	7.96	100	0.55	0.40	Ferrite
MICC-4R0X-YY	4.0	1	5,**10**,20	40	7.96	90	0.65	0.38	Ferrite
MICC-4R4X-YY	4.4	1	5,**10**,20	40	7.96	90	0.65	0.38	Ferrite
MICC-4R7X-YY	4.7	1	5,**10**,20	40	7.96	90	0.65	0.38	Ferrite
MICC-4R9X-YY	4.9	1	5,**10**,20	40	7.96	90	0.65	0.38	Ferrite
MICC-5R0X-YY	5.0	1	5,**10**,20	45	7.96	75	1.30	0.26	Ferrite
MICC-5R6X-YY	5.6	1	5,**10**,20	45	7.96	75	1.30	0.26	Ferrite
MICC-6R2X-YY	6.2	1	5,**10**,20	45	7.96	70	1.45	0.25	Ferrite
MICC-6R8X-YY	6.8	1	5,**10**,20	45	7.96	70	1.45	0.25	Ferrite
MICC-8R2X-YY	8.2	1	5,**10**,20	50	7.96	65	1.60	0.24	Ferrite
MICC-100X-YY	10	1	5,**10**,20	50	7.96	60	1.70	0.23	Ferrite
MICC-120X-YY	12	0.02	5,**10**,20	50	2.52	50	2.40	0.19	Ferrite
MICC-150X-YY	15	0.02	5,**10**,20	50	2.52	45	2.70	0.185	Ferrite
MICC-180X-YY	18	0.02	5,**10**,20	60	2.52	14	0.81	0.350	Ferrite
MICC-220X-YY	22	0.02	5,**10**,20	60	2.52	12	0.90	0.335	Ferrite
MICC-270X-YY	27	0.02	5,**10**,20	60	2.52	11	1.00	0.315	Ferrite
MICC-330X-YY	33	0.02	5,**10**,20	60	2.52	10	1.12	0.300	Ferrite
MICC-390X-YY	39	0.02	5,**10**,20	60	2.52	8.5	1.21	0.285	Ferrite
MICC-470X-YY	47	0.02	5,**10**,20	60	2.52	7.7	2.40	0.200	Ferrite
MICC-560X-YY	56	0.02	5,**10**,20	60	2.52	6.8	2.60	0.195	Ferrite
MICC-620X-YY	62	0.02	5,**10**,20	60	2.52	5.7	2.90	0.185	Ferrite
MICC-680X-YY	68	0.02	5,**10**,20	60	2.52	5.7	2.90	0.185	Ferrite
MICC-820X-YY	82	0.02	5,**10**,20	60	2.52	5.5	3.20	0.175	Ferrite
MICC-101X-YY	100	0.02	5,**10**,20	60	2.52	5.3	3.50	0.170	Ferrite
MICC-121X-YY	120	0.02	5,**10**,20	60	0.79	5.0	3.80	0.160	Ferrite
MICC-151X-YY	150	0.02	5,**10**,20	60	0.79	4.6	4.30	0.150	Ferrite
MICC-181X-YY	180	0.02	5,**10**,20	60	0.79	4.2	5.30	0.135	Ferrite
MICC-221X-YY	220	0.02	5,**10**,20	60	0.79	3.8	5.80	0.130	Ferrite
MICC-271X-YY	270	0.02	5,**10**,20	60	0.79	3.2	7.80	0.115	Ferrite
MICC-281X-YY	280	0.02	5,**10**,20	60	0.79	3.2	7.80	0.115	Ferrite
MICC-331X-YY	330	0.02	5,**10**,20	60	0.79	3.0	8.70	0.105	Ferrite
MICC-351X-YY	350	0.02	5,**10**,20	60	0.79	2.7	8.70	0.105	Ferrite
MICC-391X-YY	390	0.02	5,**10**,20	60	0.79	2.7	11.0	0.095	Ferrite
MICC-471X-YY	470	0.02	5,**10**,20	60	0.79	2.3	12.0	0.090	Ferrite
MICC-561X-YY	560	0.02	5,**10**,20	60	0.79	2.2	16.5	0.075	Ferrite
MICC-681X-YY	680	0.02	5,**10**,20	60	0.79	2.0	22.0	0.065	Ferrite
MICC-821X-YY	820	0.02	5,**10**,20	60	0.79	1.8	25.0	0.060	Ferrite
MICC-102X-YY	1000	0.02	5,**10**,20	60	0.79	1.5	33.0	0.055	Ferrite

SPQ:

Packaging Form	Taped / Reel		Taped / Ammo pack	
Axial	4000	[-01]	1500	[-02]
Radial	2000	[-31]	3500	[-32]

Revision date: 08 Feb 2021

Remarks: MICC-R10X to MICC-R82X are suitable for medical applications.

- Bold figure for **Tol%** is standard
- All dimensions in mm