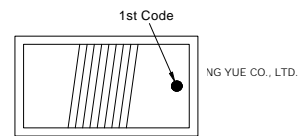


SMD Wire Wound Ferrite Chip Inductors – 0603LSF Series



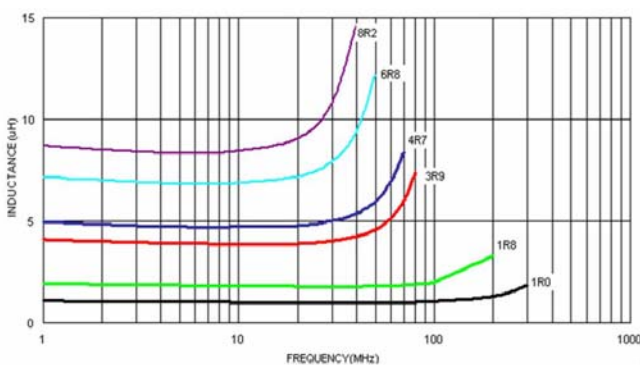
Part Number	Inductance (μ H)	Tolerance ($\pm\%$)	Q Min	SRF (MHz) Min	Rdc (Ω) Max	Idc (mA) Max	Irms (mA) Typ	Color Coding
0603LSF-47N□	0.047 /7.9MHz	J / K	12 /7.9MHz	2000	0.075	1800	1600	White
0603LSF-68N□	0.068 /7.9MHz	J / K	12 /7.9MHz	1500	0.12	1800	1400	Gray
0603LSF-R15□	0.15 /7.9MHz	J / K	15 /7.9MHz	1050	0.15	1600	1200	Brown
0603LSF-R18□	0.18 /7.9MHz	J / K	15 /7.9MHz	950	0.15	1500	1100	Green
0603LSF-R22□	0.22 /7.9MHz	J / K	15 /7.9MHz	900	0.30	1200	940	Red
0603LSF-R33□	0.33 /7.9MHz	J / K	15 /7.9MHz	725	0.40	1420	940	Orange
0603LSF-R47□	0.47 /7.9MHz	J / K	15 /7.9MHz	640	0.43	1400	800	Black
0603LSF-R56□	0.56 /7.9MHz	J / K	15 /7.9MHz	630	0.44	1400	770	Brown
0603LSF-R68□	0.68 /7.9MHz	J / K	15 /7.9MHz	510	0.52	1340	730	Red
0603LSF-R78□	0.78 /7.9MHz	J / K	15 /7.9MHz	465	0.63	1300	730	Orange
0603LSF-1R0□	1.0 /7.9MHz	J / K	15 /7.9MHz	320	0.81	1100	630	Green
0603LSF-1R2□	1.2 /7.9MHz	J / K	15 /7.9MHz	270	0.87	1000	540	Blue
0603LSF-1R5□	1.5 /7.9MHz	J / K	15 /7.9MHz	230	0.96	920	560	Violet
0603LSF-1R8□	1.8 /7.9MHz	J / K	15 /7.9MHz	210	1.10	900	500	Gray
0603LSF-2R2□	2.2 /7.9MHz	J / K	15 /7.9MHz	115	1.20	740	500	White
0603LSF-2R7□	2.7 /7.9MHz	J / K	15 /7.9MHz	100	1.38	700	460	Black
0603LSF-3R3□	3.3 /7.9MHz	J / K	15 /7.9MHz	84	1.50	680	420	Brown
0603LSF-3R9□	3.9 /7.9MHz	J / K	15 /7.9MHz	75	1.50	600	400	Red
0603LSF-4R7□	4.7 /7.9MHz	J / K	15 /7.9MHz	67	2.10	580	350	Orange
0603LSF-5R6□	5.6 /7.9MHz	J / K	15 /7.9MHz	55	2.37	540	340	Yellow
0603LSF-6R8□	6.8 /7.9MHz	J / K	15 /7.9MHz	48	3.10	500	330	Green
0603LSF-7R8□	7.8 /7.9MHz	J / K	15 /7.9MHz	40	3.35	460	320	Blue
0603LSF-8R2□	8.2 /7.9MHz	J / K	15 /7.9MHz	38	3.50	440	300	Violet
0603LSF-100□	10 /7.9MHz	J / K	15 /7.9MHz	32	4.46	400	250	Gray

- When ordering, please specify tolerance and packaging codes. Ex: 0603LSF-1R0□
- Tolerance : J = $\pm 5\%$, K = $\pm 10\%$
- Packaging: Clear tape and reel {standard}.
- L/Q: Agilent E4991A+ Agilent 16197A
- SRF: HP8753D/ Agilent E4991A
- RDC: Digital Milliohm Meter Chroma 16502 or equivalent.
- Idc for Inductance drop 10% from its value without current
- Irms for a 15°C rise above 25°C ambient.
- Operating temperature range from -25°C to 85°C

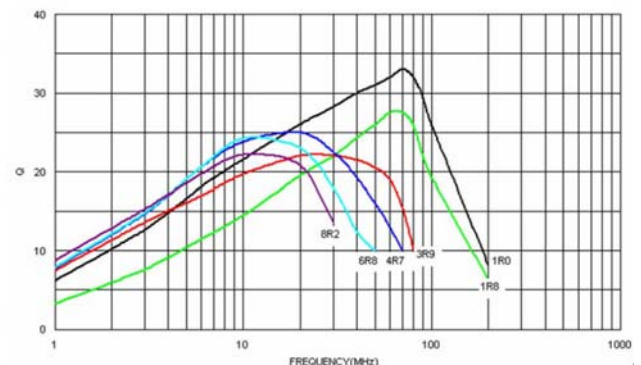


COLOR CODING

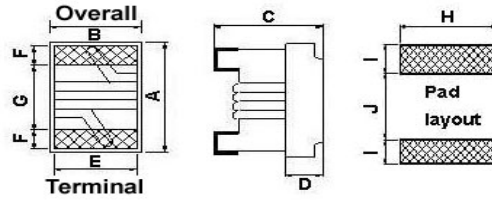
Typical L vs. Frequency



Typical Q vs. Frequency



Shapes & Dimensions



Dimensions

		A max	B max	C max	D ref	E	F	G	H	I	J
0603LSF	mm	1.80	1.20	1.10	0.45	0.90	0.33	0.86	1.02	0.64	0.64

Note: Parts/Reel: 4000/7" Tape Width: 8mm