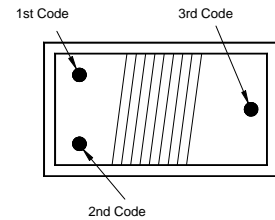


# SMD Wire Wound Ferrite Chip Inductors – 1008LCF Series



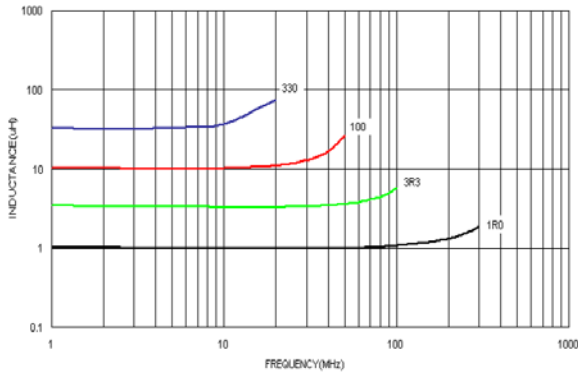
Part Number	Inductance ( $\mu\text{H}$ )	Tolerance ( $\pm\%$ )	Q Typ	SRF (MHz) Min	Rdc ( $\Omega$ ) Max	Idc (mA) Max	Color Coding		
							1st	2nd	3rd
1008LCF-1R0□	1.0 /7.9MHz	J / K	32 /7.9MHz	340	0.34	2100	Brown	Black	Red
1008LCF-1R5□	1.5 /7.9MHz	J / K	32 /7.9MHz	230	0.42	1500	Brown	Green	Red
1008LCF-2R2□	2.2 /7.9MHz	J / K	27 /7.9MHz	140	0.50	1200	Red	Red	Red
1008LCF-3R3□	3.3 /7.9MHz	J / K	27 /7.9MHz	125	0.60	1300	Orange	Orange	Red
1008LCF-4R7□	4.7 /7.9MHz	J / K	30 /7.9MHz	90	0.90	1100	Yellow	Violet	Red
1008LCF-6R8□	6.8 /7.9MHz	J / K	27 /7.9MHz	60	1.05	950	Blue	Gray	Red
1008LCF-100□	10 /2.5MHz	J / K	23 /2.5MHz	55	1.55	800	Brown	Black	Orange
1008LCF-150□	15 /2.5MHz	J / K	23 /2.5MHz	36	2.38	650	Brown	Green	Orange
1008LCF-220□	22 /2.5MHz	J / K	23 /2.5MHz	29	2.92	550	Red	Red	Orange
1008LCF-330□	33 /2.5MHz	J / K	23 /2.5MHz	21	4.10	450	Orange	Orange	Orange
1008LCF-470□	47 /2.5MHz	J / K	23 /2.5MHz	17	7.80	350	Yellow	Violet	Orange

- When ordering, please specify tolerance and packaging codes. Ex: 1008LCF-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
- Operating temperature range from  $-25^{\circ}\text{C}$  to  $85^{\circ}\text{C}$

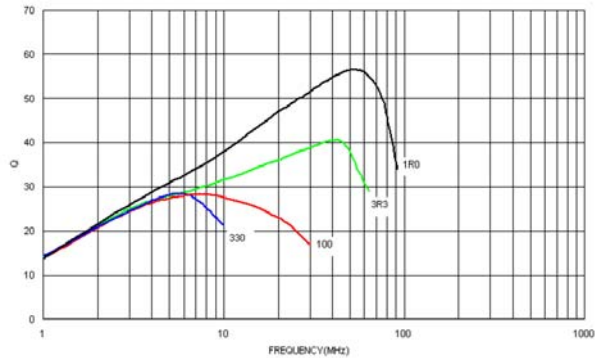


COLOR CODING

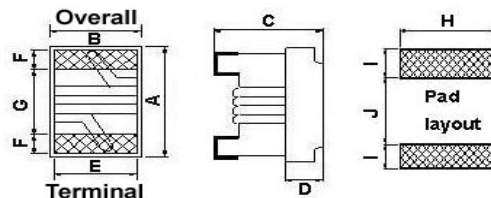
## Typical L vs. Frequency



## Typical Q vs. Frequency



## Shapes & Dimensions



### Dimensions

		A max	B max	C max	D ref	E	F	G	H	I	J
1008LCF	mm	2.90	2.54	2.03	1.30	2.03	0.51	1.52	2.54	1.02	1.27

Note: Parts/Reel: 2000/7" Tape Width: 8mm