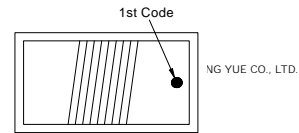


# SMD Wire Wound Ferrite Chip Inductors – 0805LCD Series



Part Number	Inductance ( $\mu\text{H}$ )	Tolerance ( $\pm\%$ )	Q Typ	SRF (MHz) Typ	Rdc ( $\Omega$ ) $\pm 30\%$	Idc (mA) Typ	Irms (mA) Typ	Color Coding
0805LCD-1R0□	1.0 /7.9MHz	K / M	14 /7.9MHz	208	0.13	1100	1300	Black
0805LCD-2R2□	2.2 /7.9MHz	K / M	13 /7.9MHz	87	0.22	740	1040	Red
0805LCD-3R3□	3.3 /7.9MHz	K / M	12 /7.9MHz	70	0.28	620	1020	Orange
0805LCD-4R7□	4.7 /7.9MHz	K / M	14 /7.9MHz	51	0.43	520	840	Yellow
0805LCD-5R6□	5.6 /7.9MHz	K / M	12 /7.9MHz	47	0.50	480	800	Blue
0805LCD-6R8□	6.8 /7.9MHz	K / M	14 /7.9MHz	46	0.68	420	700	Green
0805LCD-8R2□	8.2 /7.9MHz	K / M	13 /7.9MHz	33	0.73	400	680	Violet
0805LCD-100□	10 /2.5MHz	K / M	14 /2.5MHz	31	0.85	360	560	Blue
0805LCD-220□	22 /2.5MHz	K / M	15 /2.5MHz	20	1.76	240	340	Gray
0805LCD-330□	33 /2.5MHz	K / M	15 /2.5MHz	17	2.35	200	300	White
0805LCD-470□	47 /2.5MHz	K / M	14 /2.5MHz	15	3.40	160	280	Black
0805LCD-560□	56 /2.5MHz	K / M	14 /2.5MHz	10	4.42	150	240	Yellow
0805LCD-680□	68 /2.5MHz	K / M	14 /2.5MHz	10	4.45	140	240	Brown
0805LCD-820□	82 /2.5MHz	K / M	14 /2.5MHz	10	7.50	100	180	Orange
0805LCD-101□	100 /1MHz	K / M	10 /1MHz	9	7.50	100	180	Red

- When ordering, please specify tolerance and packaging codes. Ex: 0805LCD-1R0□
- Tolerance : K =  $\pm 10\%$  , M =  $\pm 20\%$
- 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
- I rms for a 15°C rise above 25°C ambient.
- Operating temperature range from  $-25^{\circ}\text{C}$  to  $85^{\circ}\text{C}$

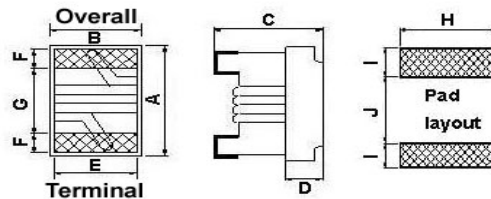


COLOR CODING

Typical **L** vs. Frequency

Typical **L** vs. Idc

## Shapes & Dimensions



Dimensions

		A max	B max	C max	D ref	E	F	G	H	I	J
0805LCD	mm	2.40	1.65	1.30	0.65	1.27	0.50	1.00	1.78	1.02	0.76

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