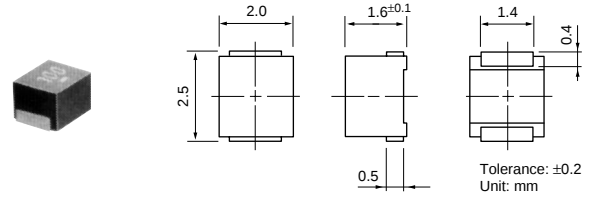


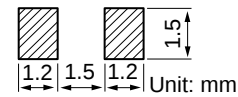
The LLB2520 Series is a miniature wirewound ferrite core chip inductor in a 1008 footprint. It is especially designed to have low DC resistance and high current handling capability. Its use is ideal for the decoupling inductor in computers, consumer electronics and portable electronics equipment.



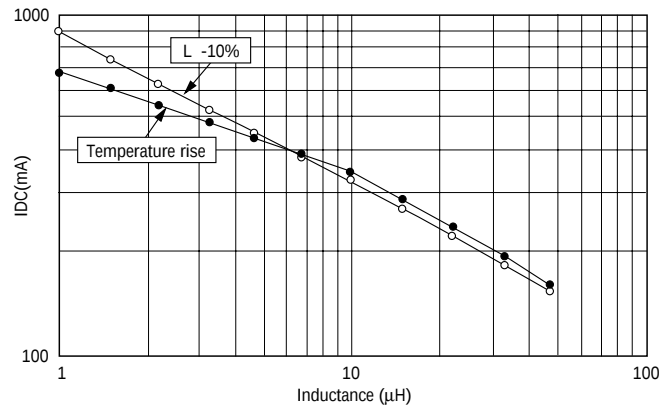
Features

- Inductance Range: 1μH ~ 47μH
- Temperature Range: -40°C to +85°C
- Low DC resistance
- Proprietary wirewound structure with welded terminations offers high reliability
- Superior solderability and high heat-resistance for flow and reflow soldering
- Low profile: 1.7mm max (1.6mm typ.)
- S-parameter data available upon request
- Packaged on tape and reel in 2,000 piece quantity

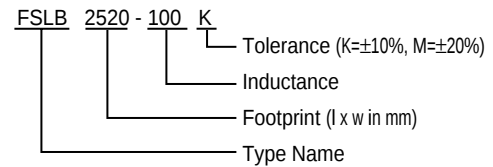
Recommended Solder Pad Layout



Rated DC Current



Part Numbering



STANDARD PARTS SELECTION GUIDE

TYPE LLB2520

TOKO Part Number	Lo (μH)	Tolerance	Test Frequency MHz	DC Resistance (Ω) max.	Rated DC * Current (mA) max.	Self Resonant Frequency (MHz) min.
FSLB2520-1R0M	1.0	±20%	1	0.30	480	130
FSLB2520-1R5M	1.5	±20%	1	0.38	435	95
FSLB2520-2R2M	2.2	±20%	1	0.44	390	75
FSLB2520-3R3M	3.3	±20%	1	0.57	340	60
FSLB2520-4R7M	4.7	±20%	1	0.68	310	50
FSLB2520-6R8M	6.8	±20%	1	0.89	295	40
FSLB2520-100K	10	±10%	1	1.1	220	33
FSLB2520-150K	15	±10%	1	1.7	180	28
FSLB2520-220K	22	±10%	1	2.5	160	23
FSLB2520-330K	33	±10%	1	3.8	130	18
FSLB2520-470K	47	±10%	1	5.4	100	15

* Rated DC current is that which the inductance decreases 10% by the excitation DC current or which the temperature rises 20°C by excitation DC current, whichever is lower.

Note: Add P2 to part number for tape and reel.