



Notes for LC7032S shielded power inductor:
 Operating temperature range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.
 Inductance tolerance: $M = \pm 20\%$ across the entire inductance range.
 Magnetically shielded construction.

I_{sat} : Value obtained when DC current flows and the initial value of inductance has fallen by 10%.
 Test equipment: Inductance measured on HP4284A LF impedance analyzer or equivalent, at 1 KHz / 0.5V, and DCR measured on CH502BC.
 Manufactured to RoHS compliance.

| Part number | Inductance [μH , $\pm 20\%$] | Test Frequency [KHz] | DC Resistance [$\delta \pm 20\%$] | I_{sat} [A] |
|--------------|---|----------------------|-------------------------------------|----------------------|
| LC7032S-2R2M | 2.2 | 1 | 0.018 | 2.1 |
| LC7032S-3R3M | 3.3 | 1 | 0.023 | 1.9 |
| LC7032S-4R7M | 4.7 | 1 | 0.036 | 1.7 |
| LC7032S-6R8M | 6.8 | 1 | 0.041 | 1.6 |
| LC7032S-100M | 10 | 1 | 0.053 | 1.4 |
| LC7032S-150M | 15 | 1 | 0.075 | 1.1 |
| LC7032S-220M | 22 | 1 | 0.11 | 0.96 |
| LC7032S-330M | 33 | 1 | 0.16 | 0.75 |
| LC7032S-470M | 47 | 1 | 0.24 | 0.67 |
| LC7032S-680M | 68 | 1 | 0.31 | 0.59 |
| LC7032S-101M | 100 | 1 | 0.45 | 0.45 |
| LC7032S-151M | 150 | 1 | 0.65 | 0.37 |
| LC7032S-221M | 220 | 1 | 1.05 | 0.29 |
| LC7032S-331M | 330 | 1 | 1.67 | 0.22 |
| LC7032S-471M | 470 | 1 | 2.05 | 0.20 |
| LC7032S-681M | 680 | 1 | 3.15 | 0.16 |
| LC7032S-102M | 1000 | 1 | 4.78 | 0.13 |