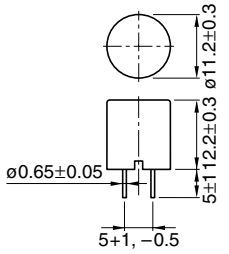
## SHAPES AND DIMENSIONS





Weight: 3.3g

Dimensions in mm

## ELECTRICAL CHARACTERISTICS

| Inductance (µH) | Inductance tolerance | Q min. | Test frequency L/Q (Hz) | Self-resonant frequency (MHz)min. | DC resistance (Ω)max. | Rated current (A)*1max. | | Part No. |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Based on inductance change | Based on temperature rise | |
| 1.0 | ±20% | 15 | 1k/7.96M | 144 | 0.058 | 14 | 7.7 | TSL1112□*2-1R0M7R7-PF |
| 2.2 | ±20% | 15 | 1k/7.96M | 70 | 0.073 | 10 | 6.7 | TSL1112□-2R2M6R7-PF |
| 3.3 | ±20% | 10 | 1k/7.96M | 36 | 0.01 | 8.8 | 5.9 | TSL1112□-3R3M5R9-PF |
| 4.7 | ±20% | 10 | 1k/7.96M | 28 | 0.015 | 7.2 | 4.8 | TSL1112□-4R7M4R8-PF |
| 6.8 | ±20% | 10 | 1k/7.96M | 18 | 0.016 | 6.1 | 4.6 | TSL1112□-6R8M4R6-PF |
| 10 | ±20% | 20 | 1k/2.52M | 16 | 0.025 | 5 | 3.7 | TSL1112□-100M3R7-PF |
| 15 | ±20% | 20 | 1k/2.52M | 12 | 0.029 | 4.2 | 3.4 | TSL1112□-150M3R4-PF |
| 22 | ±10% | 20 | 1k/2.52M | 9.5 | 0.04 | 3.4 | 2.9 | TSL1112□-220K2R9-PF |
| 33 | ±10% | 30 | 1k/2.52M | 7 | 0.062 | 2.8 | 2.3 | TSL1112□-330K2R3-PF |
| 47 | ±10% | 30 | 1k/2.52M | 5.8 | 0.075 | 2.3 | 2.1 | TSL1112□-470K2R1-PF |
| 68 | ±10% | 20 | 1k/2.52M | 4.7 | 0.13 | 1.9 | 1.6 | TSL1112□-680K1R6-PF |
| 100 | ±10% | 20 | 1k/796k | 3.8 | 0.16 | 1.6 | 1.4 | TSL1112□-101K1R4-PF |
| 150 | ±10% | 20 | 1k/796k | 3.1 | 0.26 | 1.3 | 1.1 | TSL1112□-151K1R1-PF |
| 220 | ±10% | 20 | 1k/796k | 2.5 | 0.33 | 1.1 | 1 | TSL1112□-221K1R0-PF |
| 330 | ±10% | 20 | 1k/796k | 2 | 0.52 | 0.88 | 0.82 | TSL1112□-331KR82-PF |
| 470 | ±10% | 10 | 1k/796k | 1.6 | 0.66 | 0.75 | 0.72 | TSL1112□-471KR72-PF |
| 680 | ±10% | 10 | 1k/796k | 1.3 | 1.1 | 0.61 | 0.56 | TSL1112□-681KR56-PF |
| 1000 | ±5% | 20 | 1k/252k | 1.1 | 1.4 | 0.51 | 0.5 | TSL1112□-102JR50-PF |
| 1500 | ±5% | 30 | 1k/252k | 0.82 | 2.4 | 0.43 | 0.38 | TSL1112□-152JR38-PF |
| 2200 | ±5% | 20 | 1k/252k | 0.76 | 3.2 | 0.35 | 0.33 | TSL1112□-222JR33-PF |
| 3300 | ±5% | 30 | 1k/252k | 0.64 | 4.9 | 0.28 | 0.26 | TSL1112□-332JR26-PF |
| 4700 | ±5% | 30 | 1k/252k | 0.54 | 7.6 | 0.24 | 0.21 | TSL1112□-472JR21-PF |
| 6800 | ±5% | 30 | 1k/252k | 0.45 | 9.8 | 0.2 | 0.18 | TSL1112□-682JR18-PF |
| 10000 | ±5% | 30 | 1k/79.6k | 0.38 | 18 | 0.17 | 0.14 | TSL1112□-103JR14-PF |
| 15000 | ±5% | 50 | 1k/79.6k | 0.29 | 24 | 0.13 | 0.12 | TSL1112□-153JR12-PF |

*1 Rated current: Value obtained when current flows and the temperature has risen to 25°C or when DC current flows and the initial value of inductance has fallen by 10%, whichever is smaller.

*2 □: Please specify packaging style, S(Bulk) or RA(Taping).

## TYPICAL ELECTRICAL CHARACTERISTICS
## INDUCTANCE CHANGE vs. DC SUPERPOSITION CHARACTERISTICS