

Winding Type Chip Inductor

SNL252018CF-SERIES

1. Features

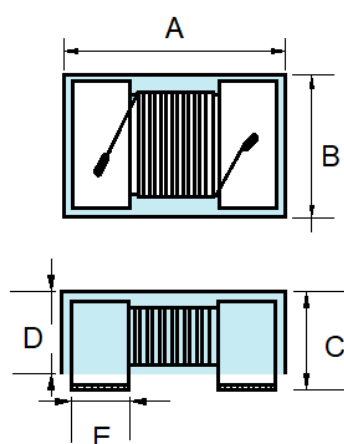
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. Operating temperature-40~+125°C (Including self - temperature rise)



2. Application

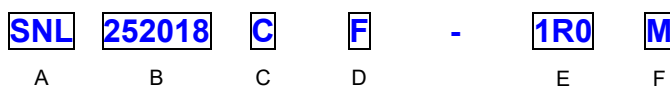
Smart meters, AV equipment, xDSL, electronic devices for communications infrastructure such as mobile base stations, industrial equipment, other

3. Dimension



| Size | A | B | C | D | E |
|-----------|-----------|-----------|-----------|-----------|---------|
| SNL252018 | 2.50±0.30 | 2.00±0.30 | 1.80±0.10 | 1.50±0.10 | 0.45ref |

4. Part Numbering



A: Series

B: Dimension

L x WxH

C: Application

DC Power Line

D: Lead free type

E: Inductance

1R0=1.0uH

F: Inductance Tolerance

K=±10%, M=±20%

5. Specification

| TAI-TECH Part Number | Ls(uH) | Tolerance | L / Q Frequency | Q ref | SRF(MHz) ref | DCR(Ω) ±30% | IDC1(A) Max | IDC2(A) Max |
|----------------------|--------|-----------|-----------------|-------|--------------|-------------|-------------|-------------|
| SNL252018CF-1R0M | 1.00 | K,M | 7.96M | 20 | 300 | 0.140 | 0.475 | 1.000 |
| SNL252018CF-1R5M | 1.50 | K,M | 7.96M | 20 | 250 | 0.180 | 0.435 | 0.890 |
| SNL252018CF-2R2M | 2.20 | K,M | 7.96M | 20 | 200 | 0.270 | 0.390 | 0.730 |
| SNL252018CF-3R3M | 3.30 | K,M | 7.96M | 20 | 100 | 0.440 | 0.340 | 0.570 |

| TAI-TECH Part Number | Ls(uH) | Tolerance | L / Q Frequency | Q ref | SRF(MHz) ref | DCR(Ω) $\pm 30\%$ | IDC1(A) Max | IDC2(A) Max |
|-------------------------|--------|-----------|--------------------|----------|-----------------|-------------------------------|----------------|----------------|
| SNL252018CF-4R7M | 4.70 | K,M | 7.96M | 20 | 60 | 0.570 | 0.285 | 0.500 |
| SNL252018CF-6R8M | 6.80 | K,M | 7.96M | 20 | 55 | 0.920 | 0.275 | 0.390 |
| SNL252018CF-100M | 10.00 | K,M | 2.52M | 15 | 40 | 1.690 | 0.210 | 0.360 |
| SNL252018CF-150M | 15.00 | K,M | 2.52M | 30 | 35 | 2.200 | 0.175 | 0.250 |
| SNL252018CF-220M | 22.00 | K,M | 2.52M | 30 | 20 | 2.800 | 0.160 | 0.200 |
| SNL252018CF-330M | 33.00 | K,M | 2.52M | 30 | 18 | 4.200 | 0.120 | 0.150 |