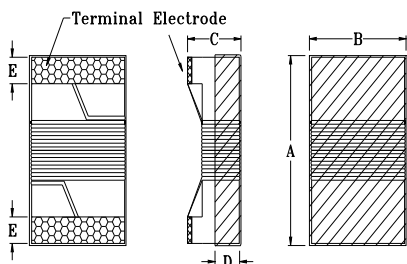


1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for Signal Use.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



2. Dimensions



| Size | A | B | C | D | E |
|---------|-----------|-----------|-----------|-----------|----------|
| SWF2520 | 2.90 max. | 2.50 max. | 2.10 max. | 1.20 ref. | 0.55±0.1 |

Unit:mm

3. Part Numbering

| | | | | | | |
|------------|-------------|----------|----------|---|------------|----------|
| SWF | 2520 | S | F | - | 1R0 | K |
| A | B | C | D | | E | F |

A: Series
 B: Dimension
 C: Application
 D: Lead Free Code
 E: Inductance
 F: Inductance Tolerance

L x W
 For Signal Use
 1R0=1.0 uH
 J=±5%, K=±10%

4. Specification

| TAI-TECH Part Number | Inductance (uH) | Tolerance | Test Frequency (Hz) | Q min. | Test Frequency (MHz) | Rated Current (mA) max. | DCR (Ω) max. | SRF (MHz) min. |
|----------------------|-----------------|-----------|---------------------|--------|----------------------|-------------------------|--------------|----------------|
| SWF2520SF-1R0□ | 1.00 | J,K | 0.5V/25.2M | 30 | 25.2 | 400 | 0.80 | 285 |
| SWF2520SF-1R2□ | 1.20 | J,K | 0.5V/25.2M | 25 | 25.2 | 300 | 0.87 | 265 |
| SWF2520SF-1R5□ | 1.50 | J,K | 0.5V/25.2M | 25 | 25.2 | 260 | 0.98 | 235 |
| SWF2520SF-1R8□ | 1.80 | J,K | 0.5V/25.2M | 25 | 25.2 | 245 | 1.10 | 226 |
| SWF2520SF-2R2□ | 2.20 | J,K | 0.5V/25.2M | 25 | 25.2 | 230 | 1.22 | 198 |
| SWF2520SF-2R7□ | 2.70 | J,K | 0.5V/25.2M | 25 | 25.2 | 220 | 1.33 | 180 |
| SWF2520SF-3R3□ | 3.30 | J,K | 0.5V/25.2M | 25 | 25.2 | 210 | 1.46 | 143 |
| SWF2520SF-3R9□ | 3.90 | J,K | 0.5V/25.2M | 25 | 25.2 | 200 | 1.63 | 136 |
| SWF2520SF-4R7□ | 4.70 | J,K | 0.5V/25.2M | 25 | 25.2 | 195 | 1.76 | 105 |
| SWF2520SF-5R6□ | 5.60 | J,K | 0.5V/25.2M | 25 | 25.2 | 185 | 1.97 | 88 |
| SWF2520SF-6R8□ | 6.80 | J,K | 0.5V/7.96M | 25 | 7.96 | 190 | 1.79 | 56 |
| SWF2520SF-8R2□ | 8.20 | J,K | 0.5V/7.96M | 25 | 7.96 | 180 | 2.03 | 48 |
| SWF2520SF-100□ | 10.0 | J,K | 0.5V/7.96M | 25 | 7.96 | 165 | 2.92 | 44 |

| TAI-TECH Part Number | Inductance (uH) | Tolerance | Test Frequency (Hz) | Q min. | Test Frequency (MHz) | Rated Current (mA) max. | DCR (Ω) max. | SRF (MHz) min. |
|----------------------|-----------------|-----------|---------------------|--------|----------------------|-------------------------|-----------------------|----------------|
| SWF2520SF-120□ | 12.0 | J,K | 0.5V/7.96M | 25 | 7.96 | 160 | 3.11 | 42 |
| SWF2520SF-150□ | 15.0 | J,K | 0.5V/7.96M | 25 | 7.96 | 155 | 3.58 | 37 |
| SWF2520SF-180□ | 18.0 | J,K | 0.5V/2.52M | 20 | 2.52 | 150 | 3.89 | 32 |
| SWF2520SF-220□ | 22.0 | J,K | 0.5V/2.52M | 20 | 2.52 | 140 | 4.38 | 28 |
| SWF2520SF-270□ | 27.0 | J,K | 0.5V/2.52M | 20 | 2.52 | 130 | 4.92 | 24 |
| SWF2520SF-330□ | 33.0 | J,K | 0.5V/2.52M | 20 | 2.52 | 125 | 5.50 | 22 |

