

# Winding Type Chip Inductor

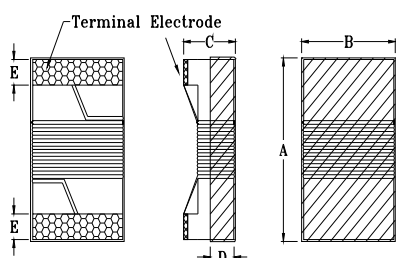
SWF2520CV-SERIES

## 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. Application for DC power line.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
6. High reliability -Reliability tests comply with AEC-Q200
7. Operating temperature -55~+125°C (Including self - temperature rise)



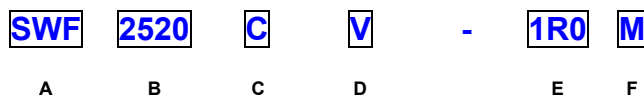
## 2. Dimensions



Size	A	B	C	D	E
SWF2520	2.90 max.	2.50 max.	2.10 max.	1.20 ref.	0.55±0.10

Unit:mm

## 3. Part Numbering



A: Series  
 B: Dimension L x W  
 C: Application DC Power Line  
 D: Category Code V=Vehicle  
 E: Inductance 1R0=1.00 uH  
 F: Inductance Tolerance K=±10%, M=±20%

## 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.
SWF2520CV-1R0□	1.00	K,M	0.5V/7.96M	12	7.96	1000	0.13	345
SWF2520CV-1R5□	1.50	K,M	0.5V/7.96M	12	7.96	850	0.17	100
SWF2520CV-2R2□	2.20	K,M	0.5V/7.96M	12	7.96	775	0.21	78
SWF2520CV-3R3□	3.30	K,M	0.5V/7.96M	12	7.96	715	0.26	48
SWF2520CV-4R7□	4.70	K,M	0.5V/7.96M	12	7.96	505	0.52	46
SWF2520CV-6R8□	6.80	K,M	0.5V/7.96M	12	7.96	432	0.72	33
SWF2520CV-8R2□	8.20	K,M	0.5V/2.52M	12	2.52	410	0.76	30
SWF2520CV-100□	10.0	K,M	0.5V/2.52M	12	2.52	392	0.86	28
SWF2520CV-150□	15.0	K,M	0.5V/2.52M	12	2.52	342	1.09	21
SWF2520CV-220□	22.0	K,M	0.5V/2.52M	12	2.52	260	1.96	18
SWF2520CV-330□	33.0	K,M	0.5V/2.52M	12	2.52	236	2.47	15

## 5. Recommended PC Board Pattern

Chip size							Land Patterns For Reflow Soldering		
Series	Type	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	L(mm)	G(mm)	H(mm)
SWF	2520	2.90max	2.50max	2.10max	1.20 ref.	0.55±0.1	3.31	1.40	2.54

