

# Winding Type Chip Inductor

SNLU252018CV-SERIES

## 1. Features

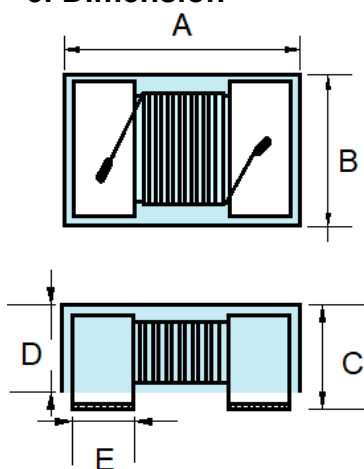
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
5. High reliability -Reliability tests comply with AEC-Q200
6. Operating temperature-40~+125°C (Including self - temperature rise)



## 2. Application

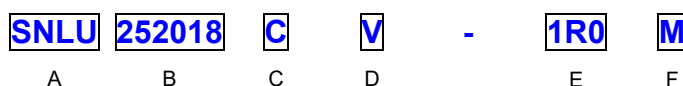
- a. Vehicle accessories (car navigation systems, car audio, ETC, other).
- b. Smart meters, AV equipment, xDSL, electronic devices for communications infrastructure such as mobile base stations, industrial equipment, other

## 3. Dimension



Size	A	B	C	D	E
SNLU252018	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 W x H  
 C: Application DC Power Line  
 D: Category Code V=Vehicle  
 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
SNLU252018CV-1R0M	1.00	K,M	7.96M	20	300	0.140	0.475	1.000
SNLU252018CV-1R5M	1.50	K,M	7.96M	20	250	0.180	0.435	0.890
SNLU252018CV-2R2M	2.20	K,M	7.96M	20	200	0.270	0.390	0.730
SNLU252018CV-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( $\Omega$ ) $\pm 30\%$	IDC1(A) Max	IDC2(A) Max
SNLU252018CV-4R7M	4.70	K,M	7.96M	20	60	0.570	0.285	0.500
SNLU252018CV-6R8M	6.80	K,M	7.96M	20	55	0.920	0.275	0.390
SNLU252018CV-100M	10.00	K,M	2.52M	15	40	1.690	0.210	0.360
SNLU252018CV-150M	15.00	K,M	2.52M	30	35	2.200	0.175	0.250
SNLU252018CV-220M	22.00	K,M	2.52M	30	20	2.800	0.160	0.200
SNLU252018CV-330M	33.00	K,M	2.52M	30	18	4.200	0.120	0.150