

# Winding Type Chip Inductor

WNL252018RF-SERIES

## 1. Features

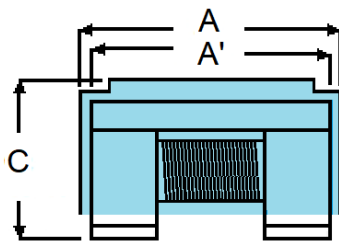
1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. 100% Lead (Pb) & Halogen-Free and RoHS compliant.
5. Operating temperature -40~+125°C (Including self - temperature rise)



## 2. Application

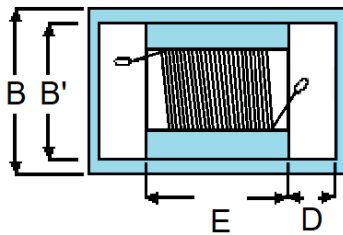
Smart meters, AV equipment, xDSL, electronic devices for communications  
Infrastructure such as mobile base stations, industrial equipment, other

## 3. Dimension

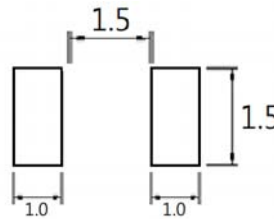


Size	A	A'	B	B'
	2.60±0.30	2.45±0.20	2.00±0.20	1.45±0.20
WNL252018	C	D	E	
	1.80±0.20	0.45±0.10	1.55Min	

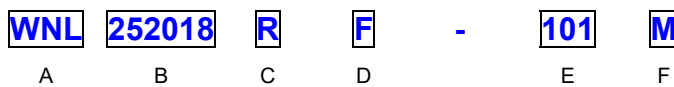
Unit:mm



### Recommend PC Board Pattern



## 4. Part Numbering



A: Series

B: Dimension L x W x H

C: Application Low DCR

D: Lead free type

E: Inductance 101=100uH

F: Inductance Tolerance M=±20%

## 5. Specification

TAI-TECH Part Number	Ls(uH)	Frequency	DCR ( $\Omega$ ) $\pm 20\%$	IDC(A)
WNL252018RF-1R0M	1.00 $\pm 20\%$	7.96M	0.07	0.455
WNL252018RF-1R5M	1.50 $\pm 20\%$	7.96M	0.09	0.350
WNL252018RF-2R2M	2.20 $\pm 20\%$	7.96M	0.10	0.315
WNL252018RF-3R3M	3.30 $\pm 20\%$	7.96M	0.20	0.280
WNL252018RF-4R7M	4.70 $\pm 20\%$	7.96M	0.24	0.210
WNL252018RF-6R8M	6.80 $\pm 20\%$	7.96M	0.29	0.175
WNL252018RF-100M	10.0 $\pm 20\%$	2.52M	0.36	0.155
WNL252018RF-150M	15.0 $\pm 20\%$	2.52M	0.75	0.130
WNL252018RF-220M	22.0 $\pm 20\%$	2.52M	1.00	0.105
WNL252018RF-330M	33.0 $\pm 20\%$	2.52M	1.40	0.085
WNL252018RF-470M	47.0 $\pm 20\%$	2.52M	1.70	0.060
WNL252018RF-680M	68.0 $\pm 20\%$	2.52M	3.30	0.050
WNL252018RF-101M	100 $\pm 20\%$	0.796M	4.00	0.040