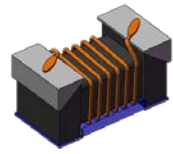




Wire Wound Chip Ferrite Inductor – AWL-FS Series

Operating Temp. : -40°C~+125°C



FEATURES

- Small chip suitable for surface mounting
- High inductance tolerance and high reliability
- AEC-Q200 verified
- Large inductance with ferrite material

APPLICATIONS

- Infotainment system
- ADAS
- T-Box

PRODUCT IDENTIFICATION

AWL 1608 F S 15N J T F M01
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

① Type	
AWL	Wire Wound Chip Inductor for Automotive

② External Dimensions	
1608 [0603]	1.6×0.8

③ Material Code	
F	Ferrite

⑥ Inductance Tolerance	
J	±5%
K	±10%
M	±20%

⑤ Nominal Inductance	
Example	Nominal Value
15N	15nH
R10	100nH
1R0	1.0μH

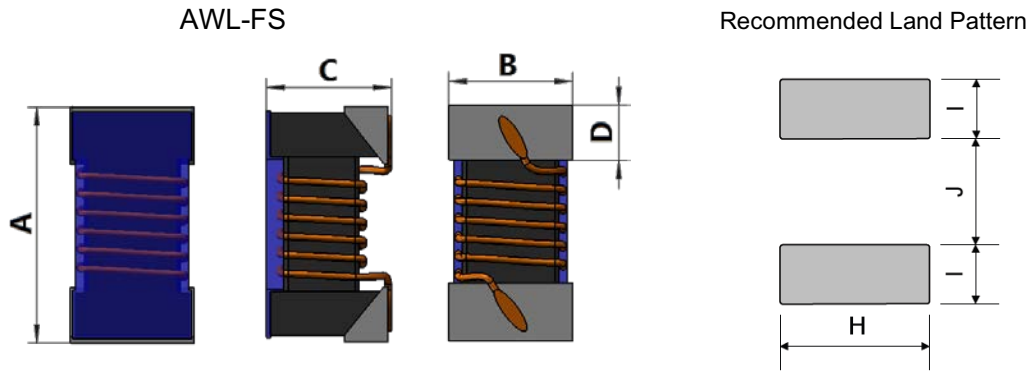
④ Feature Type	
S	Sn Plating One-face Coating

⑦ Packing	
T	Tape & Reel

⑧ Hazardous Substance Free Products	
F	

⑨ Internal Code	
M01	Normal

SHAPE AND DIMENSIONS



Unit: mm

A	B	C	D	H REF.	I REF.	J REF.
1.60±0.15	0.80±0.15	0.80±0.15	0.30±0.10	1.00	0.75	0.70

SPECIFICATIONS

AWL1608FS-M01 TYPE

Part Number	Inductance	Tolerance	L Test Freq.	Max. DC Resistance	Max. Rated Current	Min. Self-resonant Frequency
Units	nH	-	MHz	Ω	mA	MHz
Symbol	L	-	Freq.	DCR	I _r	S.R.F
AWL1608FSR10□TFM01	100	K, M	10	0.100	1000	1260
AWL1608FSR21□TFM01	210	J, K, M	10	0.150	800	720
AWL1608FSR27□TFM01	270	J, K, M	10	0.160	750	660
AWL1608FSR33□TFM01	330	J, K, M	10	0.250	630	600
AWL1608FSR39□TFM01	390	J, K, M	10	0.280	620	570
AWL1608FSR47□TFM01	470	J, K, M	10	0.450	500	555
AWL1608FSR56□TFM01	560	J, K, M	10	0.480	450	540
AWL1608FSR65□TFM01	650	J, K, M	10	0.520	430	510

※□: Please specify the inductance tolerance code (J=±5%, K=±10%,M=±20%).