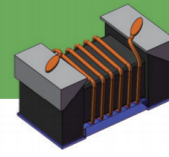


Wire Wound Chip Ferrite Inductor –AWL -FS Series



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

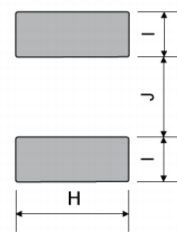
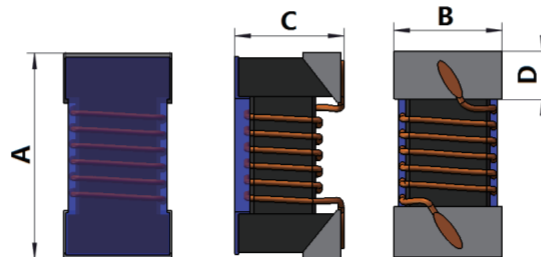
PRODUCT IDENTIFICATION

1	2	3	4	5	6	7	8	9
AWL	1608	F	S	R10	J	T	F	M01
1Type		2External Dimensions (L×W) (mm)		3Code				
AWL		Wire Wound Chip Inductor for Automotive		1608 [0603]		1.6×0.8		
4Feature Type		5Nominal Inductance		6Inductance Tolerance				
S		Sn Plating One-face Coating		Example		Nominal Value		
				R10		100 nH		
				R21		210 nH		
				R27		270 nH		
				R33		330 nH		
				R39		390 nH		
				R47		470 nH		
				R56		560 nH		
				R65		650 nH		
7Packing		8Hazardous SubstanceFree Products		9Internal Code				
T		Tape & Reel						
</								

SHAPE AND DIMENSIONS

AWL-FS

Recommended Land Pattern



Unit: mm

Series	A	B	C	D	H _{Typ.}	I _{Typ.}	J _{Typ.}
AWL1608FS	1.60±0.15	0.80±0.15	0.80±0.15	0.30±0.10	1.00	0.75	0.70

SPECIFICATIONS AWL1608FS Series

Part Number	Inductance	Tolerance	L Test Freq.	Max. DC Resistance	Max. Rated Current	Min. Self-resonant Frequency
Units	L	/	MHz	Ω	mA	MHz
Symbol	nH	/	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%).