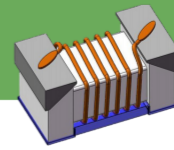


绕线片式陶瓷电感—AWL-C-M 系列

Wire Wound Chip Ceramic Inductor—AWL-C-M Series



工作温度：-40°C ~+125°C

Operating Temp：-40°C ~+125°C

特征

FEATURES

- ◆ 小尺寸，可表面贴装
- ◆ 高精度、高可靠性
- ◆ AEC-Q200 认证
- ◆ 陶瓷材料具有高 Q 值、高自谐振频率
- ◆ Small chip suitable for surface mounting
- ◆ High inductance tolerance and high reliability
- ◆ AEC-Q200 verified
- ◆ High Q value and high self-resonant frequency with ceramic material

用途

APPLICATIONS

- ◆ 车载信息娱乐系统
- ◆ PKE
- ◆ 胎压监控
- ◆ ADAS
- ◆ T-Box
- ◆ Infotainment system
- ◆ Passive keyless entry
- ◆ Tire pressure monitoring system
- ◆ ADAS
- ◆ T-Box

产品型号

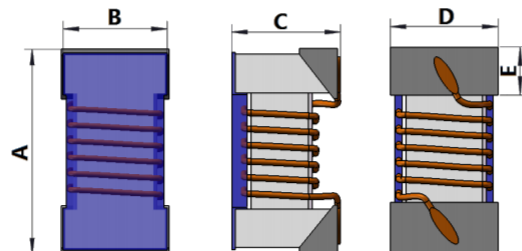
PRODUCT IDENTIFICATION

1	2	3	4	5	6	7	8	9
AWL	1005	C	10N	J	S	T	F	M01
1	2	3	4	5	6	7	8	9
分类 Type	外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)	类型 Code	公称电感量 Nominal Inductance	电感公差 Inductance Tolerance	特征代号 Feature Type	包装 Packing	无有害物质产品 Hazardous Substance Free Products	内部代号 Internal Code
AWL	1005 [0402]	C	Example	B	S	T	F	M01
绕线片式电感 Wire Wound Chip Inductor for Automotive	1.0×0.5	Ceramic	Nominal Value	±0.1nH	Sn Plating Single-side Coating	编带 Tape & Reel		Normal
			4N7	±0.2nH				
			10N	±0.5nH				
			R10	±2%				
				±3%				
				±5%				
				±10%				

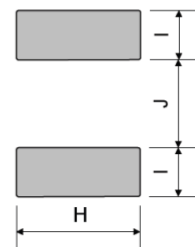
外观尺寸

SHAPE AND DIMENSIONS

AWL-C-M



推荐焊盘 Recommended Land Pattern



单位 Unit :mm

A	B	C	D	E	H _{REF.}	I _{REF.}	J _{REF.}
1.1±0.1	0.55±0.1	0.6±0.1	0.5±0.1	0.2±0.1	0.65	0.35	0.50

规格特性

SPECIFICATIONS

AWL1005C-M01 TYPE

型号 Part Number	电感量 Inductance	公差 Tolerance	Q 值 Min. Quality Factor	测试频率 L,Q Test Freq.	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	自谐频率 Min. Self-resonant Frequency
单位 Unit	nH	-	-	MHz	Ω	mA	MHz
符号 Symbol	L	-	Q	Freq.	DCR	I _r	S.R.F
AWL1005C1N5 □ STFM01	1.5	B, C, D	10	100/250	0.03	1000	18000
AWL1005C1N6 □ STFM01	1.6	C, D	10	100/250	0.07	750	17000
AWL1005C1N7 □ STFM01	1.7	C, D	10	100/250	0.10	640	17000
AWL1005C1N8 □ STFM01	1.8	C, D	10	100/250	0.16	460	16000
AWL1005C2N4 □ STFM01	2.4	B, C, D	20	100/250	0.05	850	15000
AWL1005C2N5 □ STFM01	2.5	B, C, D	20	100/250	0.05	850	15000
AWL1005C2N6 □ STFM01	2.6	B, C, D	20	100/250	0.05	850	15000
AWL1005C2N7 □ STFM01	2.7	B, C, D	20	100/250	0.05	850	15000
AWL1005C2N8 □ STFM01	2.8	B, C, D	20	100/250	0.05	850	15000
AWL1005C2N9 □ STFM01	2.9	B, C, D	20	100/250	0.07	750	15000
AWL1005C3N0 □ STFM01	3.0	B, C, D	20	100/250	0.07	750	15000
AWL1005C3N1 □ STFM01	3.1	B, C, D	20	100/250	0.13	570	14000
AWL1005C3N2 □ STFM01	3.2	B, C, D	15	100/250	0.17	500	14000
AWL1005C3N9 □ STFM01	3.9	C, D	25	100/250	0.07	750	10000
AWL1005C4N1 □ STFM01	4.1	B, C, D	25	100/250	0.07	750	10000
AWL1005C4N3 □ STFM01	4.3	B, C, D	25	100/250	0.07	750	10000
AWL1005C4N4 □ STFM01	4.4	B, C, D	25	100/250	0.07	750	8000
AWL1005C4N5 □ STFM01	4.5	B, C, D	25	100/250	0.07	750	8000
AWL1005C4N6 □ STFM01	4.6	B, C, D	25	100/250	0.07	750	8000
AWL1005C4N7 □ STFM01	4.7	B, C, D	25	100/250	0.07	750	8000
AWL1005C4N8 □ STFM01	4.8	B, C, D	25	100/250	0.07	750	8000
AWL1005C4N9 □ STFM01	4.9	B, C, D	25	100/250	0.12	600	8000
AWL1005C5N0 □ STFM01	5.0	B, C, D	25	100/250	0.12	600	8000
AWL1005C5N1 □ STFM01	5.1	B, C, D	25	100/250	0.12	600	8000
AWL1005C5N8 □ STFM01	5.8	B, C, D	25	100/250	0.12	700	8000
AWL1005C6N2 □ STFM01	6.2	B, C, D	25	100/250	0.09	700	8000
AWL1005C6N3 □ STFM01	6.3	B, C, D	25	100/250	0.09	700	6000
AWL1005C6N4 □ STFM01	6.4	B, C, D	25	100/250	0.09	700	6000
AWL1005C6N5 □ STFM01	6.5	B, C, D	25	100/250	0.09	700	6000
AWL1005C6N6 □ STFM01	6.6	B, C, D	25	100/250	0.09	700	6000
AWL1005C6N7 □ STFM01	6.7	B, C, D	25	100/250	0.09	700	6000
AWL1005C6N8 □ STFM01	6.8	G, H, J, K	25	100/250	0.09	700	6000
AWL1005C6N9 □ STFM01	6.9	G, H, J, K	25	100/250	0.13	570	6000
AWL1005C7N0 □ STFM01	7.0	G, H, J, K	25	100/250	0.13	570	6000
AWL1005C7N1 □ STFM01	7.1	G, H, J, K	25	100/250	0.13	570	6000
AWL1005C7N2 □ STFM01	7.2	G, H, J, K	25	100/250	0.13	570	6000
AWL1005C7N3 □ STFM01	7.3	G, H, J, K	25	100/250	0.13	570	6000
AWL1005C7N5 □ STFM01	7.5	G, H, J, K	25	100/250	0.13	570	6000
AWL1005C8N2 □ STFM01	8.2	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C8N6 □ STFM01	8.6	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C8N7 □ STFM01	8.7	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C8N8 □ STFM01	8.8	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C8N9 □ STFM01	8.9	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C9N0 □ STFM01	9.0	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C9N1 □ STFM01	9.1	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C9N2 □ STFM01	9.2	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C9N3 □ STFM01	9.3	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C9N4 □ STFM01	9.4	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C9N5 □ STFM01	9.5	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C9N6 □ STFM01	9.6	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C9N7 □ STFM01	9.7	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C9N8 □ STFM01	9.8	G, H, J, K	25	100/250	0.14	540	5500

规格特性

SPECIFICATIONS

AWL1005C-M01 TYPE

型号 Part Number	电感量 Inductance	公差 Tolerance	Q 值 Min. Quality Factor	测试频率 L,Q Test Freq.	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current	自谐频率 Min. Self-resonant Frequency
单位 Unit	nH	-	-	MHz	Ω	mA	MHz
符号 Symbol	L	-	Q	Freq.	DCR	I _r	S.R.F
AWL1005C9N9 □ STFM01	9.9	G, H, J, K	25	100/250	0.14	540	5500
AWL1005C10N □ STFM01	10	G, H, J, K	25	100/250	0.17	500	5500
AWL1005C11N □ STFM01	11	G, H, J, K	30	100/250	0.14	500	5500
AWL1005C12N □ STFM01	12	G, H, J, K	30	100/250	0.14	500	5500
AWL1005C13N □ STFM01	13	G, H, J, K	25	100/250	0.21	430	5000
AWL1005C15N □ STFM01	15	G, H, J, K	30	100/250	0.16	460	5000
AWL1005C16N □ STFM01	16	G, H, J, K	25	100/250	0.24	370	4500
AWL1005C18N □ STFM01	18	G, H, J, K	25	100/250	0.27	370	4500
AWL1005C19N □ STFM01	19	G, H, J, K	25	100/250	0.27	370	4500
AWL1005C20N □ STFM01	20	G, H, J, K	25	100/250	0.27	370	4000
AWL1005C22N □ STFM01	22	G, H, J, K	25	100/250	0.30	310	4000
AWL1005C23N □ STFM01	23	G, H, J, K	25	100/250	0.30	310	3800
AWL1005C24N □ STFM01	24	G, H, J, K	25	100/250	0.52	280	3500
AWL1005C27N □ STFM01	27	G, H, J, K	25	100/250	0.52	280	3500
AWL1005C30N □ STFM01	30	G, H, J, K	25	100/250	0.58	270	3300
AWL1005C33N □ STFM01	33	G, H, J, K	25	100/250	0.63	260	3200
AWL1005C36N □ STFM01	36	G, H, J, K	25	100/250	0.63	260	3100
AWL1005C39N □ STFM01	39	G, H, J, K	25	100/250	0.70	250	3000
AWL1005C40N □ STFM01	40	G, H, J, K	25	100/250	0.70	250	3000
AWL1005C43N □ STFM01	43	G, H, J, K	25	100/250	0.70	250	3000
AWL1005C47N □ STFM01	47	G, H, J, K	25	100/200	1.08	210	2900
AWL1005C51N □ STFM01	51	G, H, J, K	25	100/200	1.08	210	2850
AWL1005C56N □ STFM01	56	G, H, J, K	25	100/200	1.17	200	2800
AWL1005C62N □ STFM01	62	G, H, J, K	20	100/200	1.82	145	2600
AWL1005C68N □ STFM01	68	G, H, J, K	20	100/200	1.96	140	2500
AWL1005C72N □ STFM01	72	G, H, J, K	20	100/150	2.10	135	2500
AWL1005C75N □ STFM01	75	G, H, J, K	20	100/150	2.10	135	2400
AWL1005C82N □ STFM01	82	G, H, J, K	20	100/150	2.24	130	2300
AWL1005C91N □ STFM01	91	G, H, J, K	20	100/150	2.38	125	2100
AWL1005CR10 □ STFM01	100	G, H, J, K	20	100/150	2.52	120	1500

※ □ : 请具体说明电感值公差代码 (B=±0.1nH, C=±0.2nH, D=±0.5nH, G=±2%, H=±3%, K=±10%)。

※ □ : Please specify the inductance tolerance code (B=±0.1nH, C=±0.2nH, D=±0.5nH, G=±2%, H=±3%, J=±5%, K= ±10%)