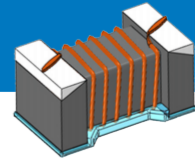


绕线片式铁氧体电感—MWSD-FE 系列

Wire Wound Chip Ferrite Inductor—MWSD-FE Series



工作温度
Operating Temp

◆ -40°C ~+85°C

特征
Features

- ◆ 小尺寸，可表面贴装
- ◆ 铁氧体材料具有大电感量
- ◆ 单面封装，较 WL-FS 系列厚度更薄

- ◆ Small chip suitable for surface mounting
- ◆ Large inductance with ferrite material
- ◆ Single-sided package, thinner than WL-FS Series

用途
Applications

- ◆ 移动电话等电子设备
- ◆ 蓝牙模块、TWS 耳机

- ◆ Mobile phones and other electronic devices
- ◆ Bluetooth modules and TWS earphones

产品型号
Product Identification

1	2	3	4	5	6	7
MWSD	1608	F	E	2R2	□	T

1	分类 Type
MWSD	绕线片式电感 Wire Wound Chip Inductor

2	外形尺寸 (L×W) (mm) External Dimensions (L×W) (mm)
1608 [0603]	1.6×0.8
2012 [0805]	2.0×1.25

3	材料代号 Material Code
F	铁氧体 Ferrite

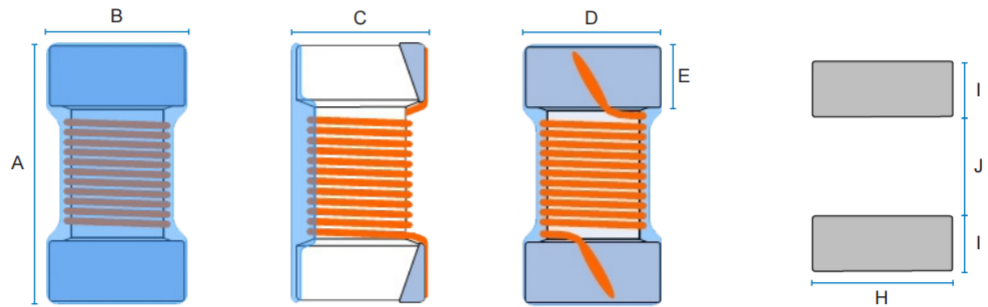
4	内部代码 Internal Code
E	Internal Code

5	公称电感量 Nominal Inductance
Example	Nominal Value
2R2	2.2μH
100	10μH

6	电感公差 Inductance Tolerance
K	±10%
M	±20%

7	包装 Packing
B	散装 Bulk Package
T	编带 Tape & Reel

外观尺寸
Shape and Dimensions



Series	A	B	C	D Typ.	E Ref.	H Ref.	I Ref.	J Ref.
MWSD1608FE	1.80Max.	1.20Max.	1.00Max.	0.92	0.30	1.15	0.64	0.64
MWSD2012FE	2.40Max.	1.65Max.	1.30Max.	1.28	0.48	1.50	1.02	0.96

Unit: mm

规格特性 Specifications

MWSD1608FE TYPE

型号 Part Number	电感量 Inductance	公差 Tolerance	测试频率 L Test Freq.	自谐振频率 Typ. Self-resonant Frequency	直流电阻 DC Resistance	额定电流 Typ. Rated Current
单位 Units	μH	-	MHz	MHz	Ω	mA
符号 Symbol	L	-	Freq.	S.R.F	DCR	I _r
MWSD1608FE1R0 □ T	1.0	K,M	7.9	340	$0.30 \pm 30\%$	700
MWSD1608FE1R8 □ T	1.8	K,M	7.9	150	$0.50 \pm 30\%$	500
MWSD1608FE2R2 □ T	2.2	K,M	7.9	103	$0.56 \pm 30\%$	580
MWSD1608FE3R3 □ T	3.3	K,M	7.9	65	$0.68 \pm 30\%$	450
MWSD1608FE4R7 □ T	4.7	K,M	7.9	51	$0.97 \pm 30\%$	420
MWSD1608FE6R8 □ T	6.8	K,M	7.9	43	$1.50 \pm 30\%$	340
MWSD1608FE100 □ T	10	K,M	2.5	36	$1.85 \pm 30\%$	280
MWSD1608FE150 □ T	15	K,M	2.5	29	$2.60 \pm 30\%$	240
MWSD1608FE220 □ T	22	K,M	2.5	24	$2.80 \pm 30\%$	200
MWSD1608FE470 □ T	47	K,M	2.5	14	$6.65 \pm 30\%$	100

MWSD2012FE TYPE

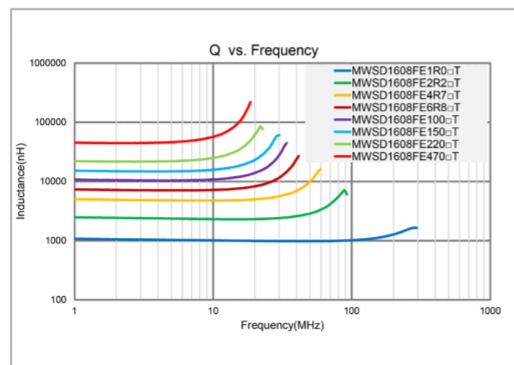
型号 Part Number	电感量 Inductance	公差 Tolerance	测试频率 L Test Freq.	自谐振频率 Typ. Self-resonant Frequency	直流电阻 DC Resistance	额定电流 Typ. Rated Current
单位 Units	μH	-	MHz	MHz	Ω	mA
符号 Symbol	L	-	Freq.	S.R.F	DCR	I _r
MWSD2012FER68 □ T	0.68	K,M	7.9	100	$0.24 \pm 30\%$	660
MWSD2012FE2R2 □ T	2.2	K,M	7.9	87	$0.22 \pm 30\%$	1040
MWSD2012FE3R3 □ T	3.3	K,M	7.9	70	$0.28 \pm 30\%$	1000
MWSD2012FE4R7 □ T	4.7	K,M	7.9	51	$0.43 \pm 30\%$	840
MWSD2012FE6R8 □ T	6.8	K,M	7.9	46	$0.68 \pm 30\%$	700
MWSD2012FE100 □ T	10	K,M	2.5	31	$0.85 \pm 30\%$	560
MWSD2012FE150 □ T	15	K,M	2.5	28	$1.40 \pm 30\%$	380
MWSD2012FE180 □ T	18	K,M	2.5	27	$1.73 \pm 30\%$	200
MWSD2012FE220 □ T	22	K,M	2.5	20	$1.76 \pm 30\%$	340
MWSD2012FE330 □ T	33	K,M	2.5	8	$2.00 \pm 30\%$	220
MWSD2012FE470 □ T	47	K,M	1.0	15	$3.40 \pm 30\%$	280
MWSD2012FE101 □ T	100	K,M	1.0	9	$7.50 \pm 30\%$	180
MWSD2012FE111 □ T	110	K,M	1.0	9	$7.50 \pm 30\%$	100

电气特性

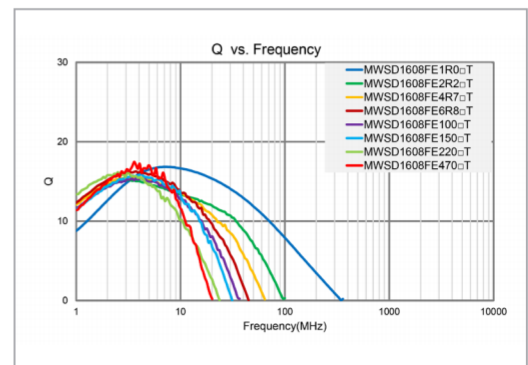
Typical Electrical Characteristics

MWSD1608FE TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics

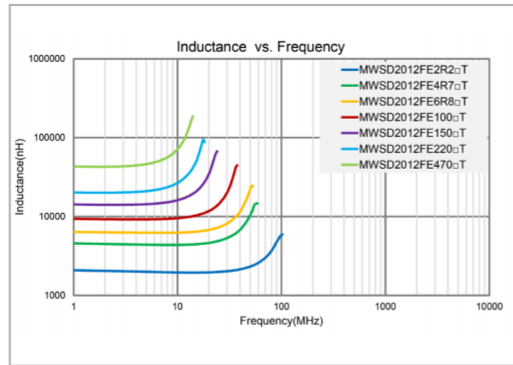


电气特性

Typical
Electrical
Characteristics

MWSD2012FE TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics

