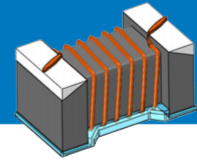


Wire Wound Chip Ferrite Inductor – MWSD – FE Series



Operating temp. : -40°C ~+85°C

FEATURES

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

APPLICATIONS

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

PRODUCT IDENTIFICATION

1 MWSD	2 1608	3 F	4 E	5 2R2	6 <input type="checkbox"/>	7 T
------------------	------------------	---------------	---------------	-----------------	-------------------------------	---------------

1	Type
MWSD	Wire Wound Chip Inductor

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

3	Material Code	
F	Ferrite	

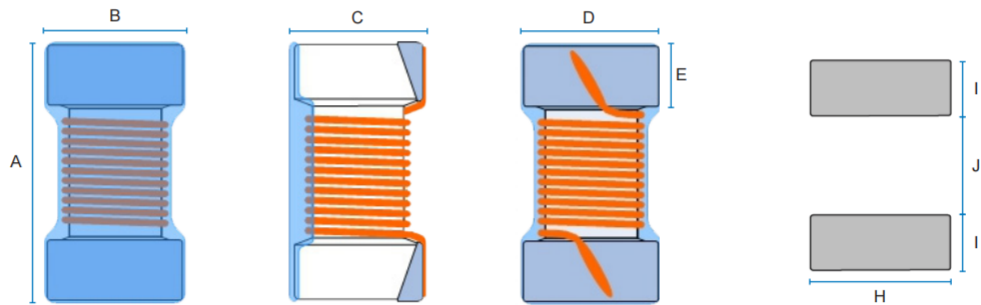
4	Internal Code	
E	Internal Code	

5	Nominal Inductance	
Example	Nominal Value	
2R2	2.2μH	
100	10μH	

6	Inductance Tolerance	
K	±10%	
M	±20%	

8	Packing	
B	Bulk Package	
T	Tape & Reel	

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

SPECIFICATIONS MWSD1608FE TYPE

Part Number	Inductance	Tolerance	L Test Freq.	Typ. Self-resonant Frequency	DC Resistance	Typ. Rated Current
Units	μH	-	MHz	MHz	Ω	mA
Symbol	L	-	Freq.	S.R.F	DCR	I _r
MWSD1608FE1R0 □ T	1.0	K,M	7.9	340	0.30±30%	700
MWSD1608FE1R8 □ T	1.8	K,M	7.9	150	0.50±30%	500
MWSD1608FE2R2 □ T	2.2	K,M	7.9	103	0.56±30%	580
MWSD1608FE3R3 □ T	3.3	K,M	7.9	65	0.68±30%	450
MWSD1608FE4R7 □ T	4.7	K,M	7.9	51	0.97±30%	420
MWSD1608FE6R8 □ T	6.8	K,M	7.9	43	1.50±30%	340
MWSD1608FE100 □ T	10	K,M	2.5	36	1.85±30%	280
MWSD1608FE150 □ T	15	K,M	2.5	29	2.60±30%	240
MWSD1608FE220 □ T	22	K,M	2.5	24	2.80±30%	200
MWSD1608FE470 □ T	47	K,M	2.5	14	6.65±30%	100

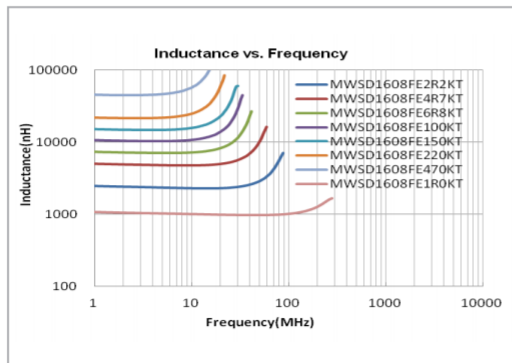
MWSD2012FE TYPE

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

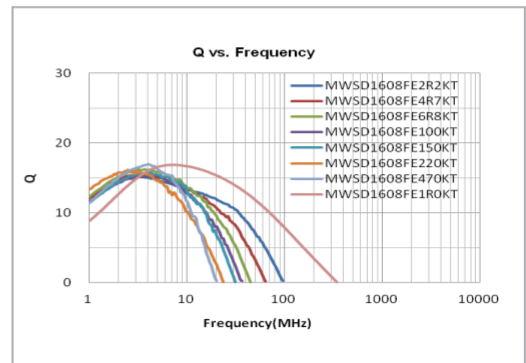
TYPICAL ELECTRICAL CHARACTERISTICS

MWSD1608FE TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics

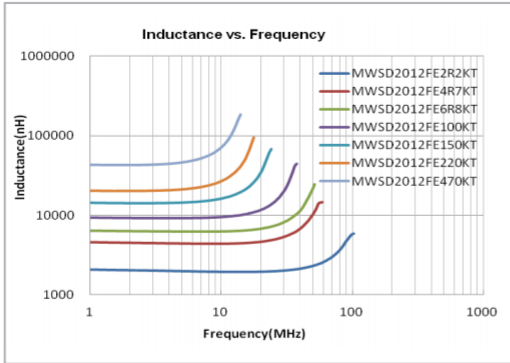


Multilayer Chip Ferrite Inductor
Multilayer Chip Inductor for Choke
Multilayer Chip Power Inductor
Multilayer Ultra High Q Chip Ceramic Inductor
Multilayer High Q Chip Ceramic Inductor
Multilayer Chip Ceramic Inductor
Multilayer High Frequency Chip Ceramic Inductor
Wire Wound Chip Ceramic Inductor
Wire Wound Chip Ferrite Inductor
SMD Power Inductor

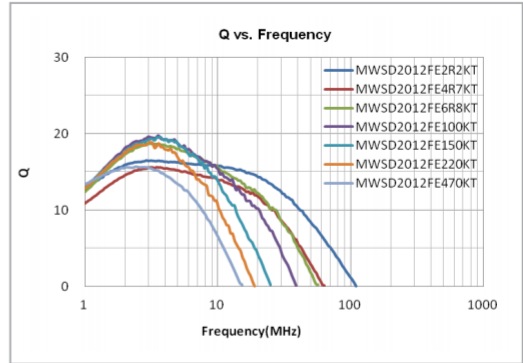
**TYPICAL
ELECTRICAL
CHARACTERISTICS**

MWSD2012FE TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics



单击下面可查看定价，库存，交付和生命周期等信息

[>>Sunlord\(顺络\)](#)