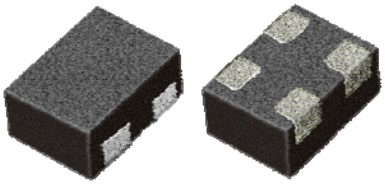
东莞市建旭电子有限公司

Jansum Electronics Dongguan Co.,Ltd

Type	Fig	Jansum P/N	Main Dimensions(mm)			Page
			L	W	H	
Thin Film Common Mode Filters		LCMF0605	0.65±0.05	0.55±0.05	0.3±0.05	P2~P4
		LCMF0806	0.85±0.05	0.65±0.05	0.4±0.05	
Power Inductors (Shielded)		LFRH73	7.2±0.3	7.2±0.3	3.2±0.3	P5~P7
		LFRH74	7.2±0.3	7.2±0.3	4.2±0.3	
Power Inductors (Shielded)		LFRH125	12.0±0.3	12.0±0.3	6.0Max	P8~P10
		LFRH127	12.0±0.3	12.0±0.3	8.0Max	
Power Inductors (Shielded)		LFRH103	10.2±0.3	10.0±0.3	3.1Max	P11~P14
		LFRH104	10.2±0.3	10.0±0.3	4.0Max	
		LFRH105	10.2±0.3	10.0±0.3	5.1Max	
Power Inductors		LFDO3316	12.95Max	9.80Max	5.21Max	P15~P18
		LFDO3340	12.95Max	9.80Max	11.43Max	
		LFDO5022	18.54Max	15.24Max	7.11Max	
SMD Molding Power Inductors		LFPM0420	4.49±0.40	4.06±0.30	2.0Max	P19~P23
		LFPM0520	5.60±0.30	5.00±0.30	2.0Max	
		LFPM0630	7.30±0.30	6.60±0.30	3.0Max	
		LFPM1040	11.0±0.50	10.0±0.30	4.0Max	
Power Inductors		LFCD43	4.0±0.3	4.5±0.3	3.2±0.3	P24~P26
		LFCD54	5.2±0.3	5.8±0.3	4.5±0.3	

Thin Film Common Mode Filters

LCMF0605&0806 Series



- Common Mode Filters
- Thin film deposition process
- Impedance Range:0 to 90Ω
- Operating temperature -25℃ to +85℃
- Rohs compliant

Product Identification

LCMF	0605	S	350	2P
①	②	③	④	⑤

① Product Symbol.
② Product dimensions
③ Product internal code
④ Impedance(at 100MHz): 900 = 90Ω , 350 = 35Ω , 120 = 12Ω , 070 = 7Ω
⑤ Line Code: 2P= 2 lines

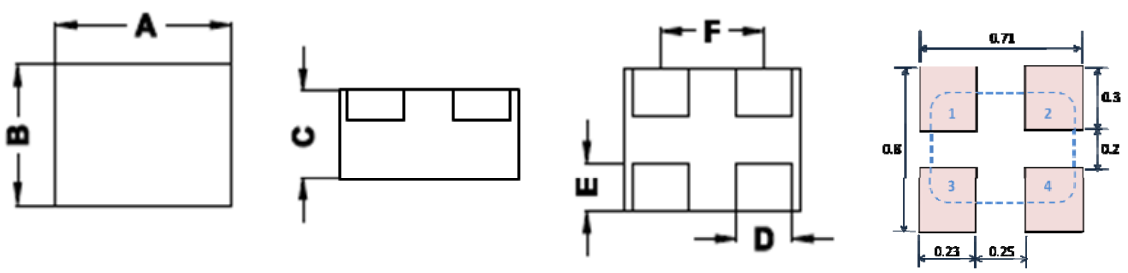
Features

- Effective for suppressing common mode noise at high frequency
- Excellent solderability characteristics
- Small size & low profile
- SMD component based on Thin film deposition process

Applications

- Common mode noise suppression of high speed differential signal lines,
  such as MIPI,MHL, HDMI in mobile phone, tablet PC, TV etc.

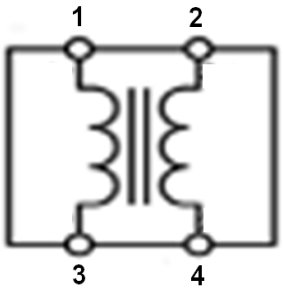
External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F
LCMF0605	0.65±0.05	0.55±0.05	0.3±0.05	0.2±0.05	0.15±0.1	0.3±0.1
LCMF0806	0.85±0.05	0.65±0.05	0.4±0.05	0.27±0.05	0.2±0.1	0.5±0.1

Thin Film Common Mode Filters

Equivalent Circuit



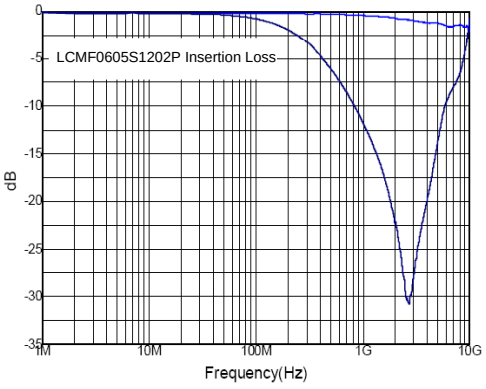
• No Polarity

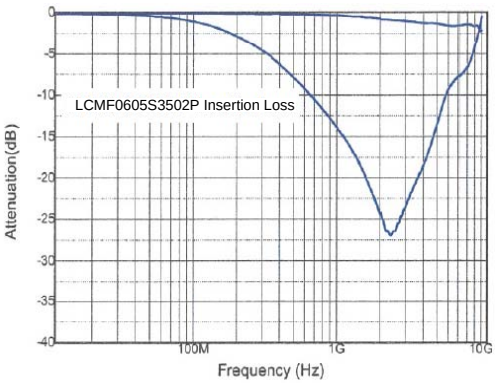
Electrical Specifications

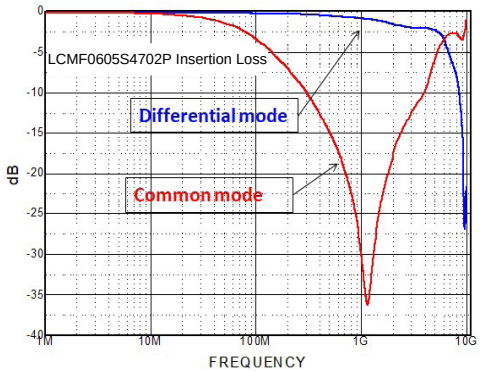
LCMF0605 Series

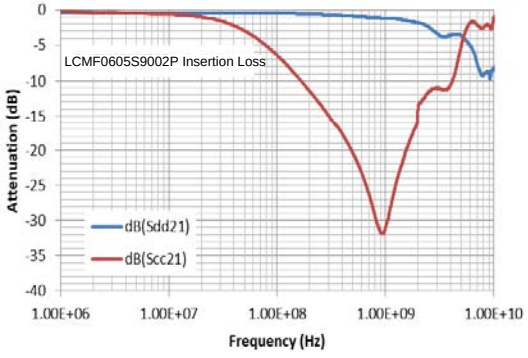
Part Number	Common Mode Impedance at 100 MHz(Ω)	Max.DC Resistance Rdc (Ω)	Rated Voltage (V)	Rated Current (mA)	Insulation Resistance I.R.(MΩ)
LCMF0605S1202P	12±25%	2.5	5	100	10
LCMF0605S3502P	35±25%	2.5	5	100	10
LCMF0605S4702P	47±25%	3.2	5	100	10
LCMF0605S9002P	90±25%	4.0	5	100	10

Electrical Characteristics



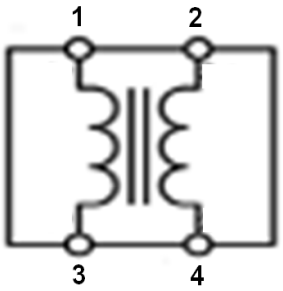






Thin Film Common Mode Filters

Equivalent Circuit



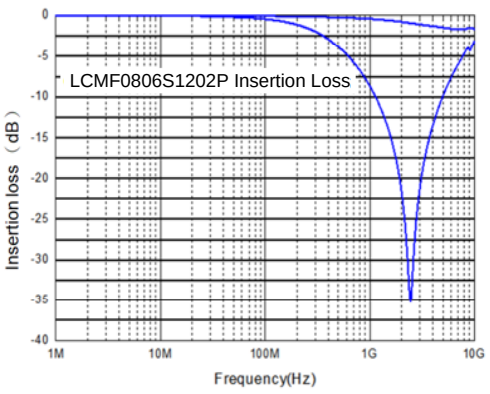
• No Polarity

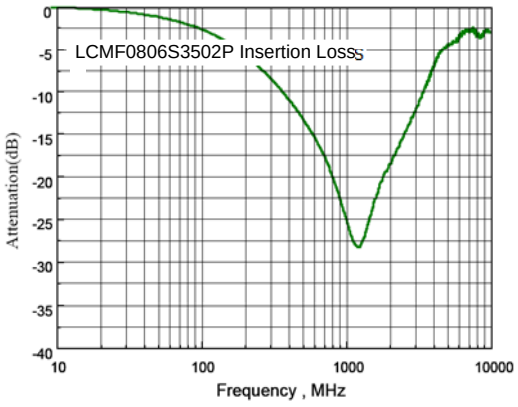
Electrical Specifications

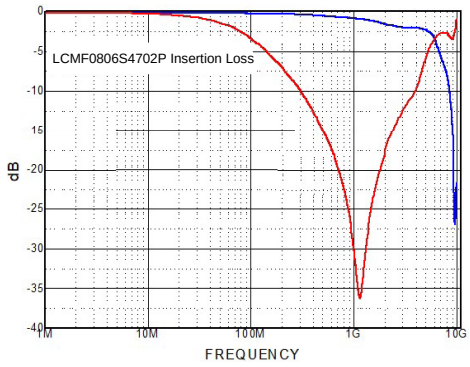
LCMF0806 Series

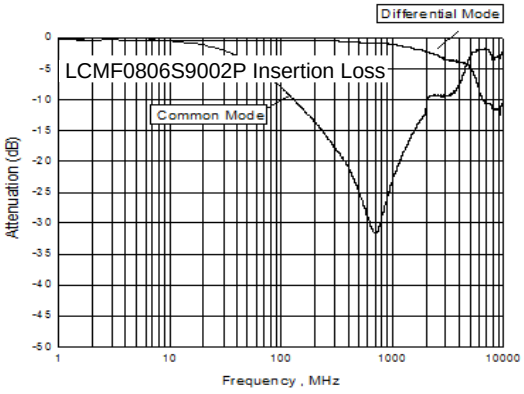
Part Number	Common Mode Impedance at 100 MHz(Ω)	Max.DC Resistance Rdc (Ω)	Rated Voltage (V)	Rated Current (mA)	Insulation Resistance I.R.(MΩ)
LCMF0806S1202P	12±25%	1.7	5	100	10
LCMF0806S3502P	35±25%	2.5	5	100	10
LCMF0806S4702P	47±25%	3.5	5	100	10
LCMF0806S9002P	90±25%	4.0	5	100	10

Electrical Characteristics









Shielded Power Inductors LFRH73&LFRH74Series

LFRH73&LFRH74Series

- Shield Power Inductors
- Inductance Range:1.0 to 1000uH
- Operating temperature -40℃ to +125℃
- Inductance drop 25% at Isat
- Rohs compliant

Product Identification

LFRH	73	-	100	M
①	②		③	④

① Product Symbol.

② Product dimensions

③ Inductance Value：(2R2=2.2uH,100=10uH,101=100uH,102=1000uH)

④ Induc tance Tolerance：(K=±10%,M=±20%,N=±30%)

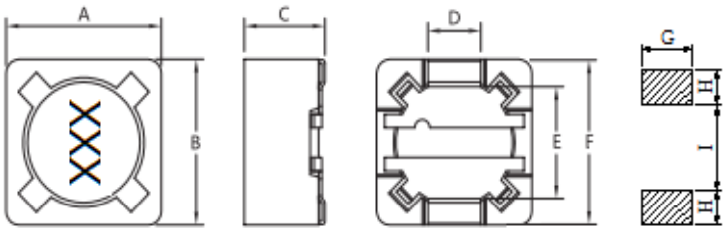
Features

- Surface mount inductor with high current rating.
- Lowresislanceto keep powerlossminimum.
- Packed in embossed carrier tape and can be used by automatic mounting machine.

Applications

- Excellent for power line DC-DC conversion application used in Security monitoring,LCD TV, Game machine,Notebook computers and other electronic equipment.

External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	H	I
LFRH73	7.2±0.30	7.2±0.30	3.2±0.30	1.8	5	7.25	2.2	1.6	4.8
LFRH74	7.2±0.30	7.2±0.30	4.2±0.30	1.8	5	7.25	2.2	1.6	4.8

Shielded Power Inductors LFRH73&LFRH74Series

Electrical Specifications@25℃

LFRH73Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFRH73-1R0N	1.0	100	0.025	3.60
LFRH73-2R2N	2.2	100	0.035	2.50
LFRH73-3R3N	3.3	100	0.038	2.00
LFRH73-4R7N	4.7	100	0.040	1.82
LFRH73-6R8N	6.8	100	0.058	1.70
LFRH73-100M	10	100	0.072	1.68
LFRH73-150M	15	100	0.130	1.33
LFRH73-180M	18	100	0.140	1.20
LFRH73-220M	22	100	0.190	1.07
LFRH73-270M	27	100	0.210	0.96
LFRH73 330M	33	100	0.240	0.91
LFRH73-390M	39	100	0.320	0.77
LFRH73-470M	47	100	0.360	0.76
LFRH73-560M	56	100	0.470	0.68
LFRH73-680M	68	100	0.520	0.61
LFRH73-820M	82	100	0.690	0.57
LFRH73-101M	100	100	0.790	0.50
LFRH73-151M	150	100	1.270	0.43
LFRH73-181M	180	100	1.450	0.39
LFRH73-221M	220	100	1.650	0.35
LFRH73-271M	270	100	2.310	0.32
LFRH73-331M	330	100	2.620	0.28
LFRH73-391M	390	100	2.940	0.26
LFRH73-471M	470	100	4.180	0.24
LFRH73-561M	560	100	4.670	0.22
LFRH73-681M	680	100	5.730	0.19
LFRH73-821M	820	100	6.540	0.18
LFRH73-102M	1000	100	9.440	0.16

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%,N=±30%

Shielded Power Inductors LFRH73&LFRH74Series

Electrical Specifications@25℃

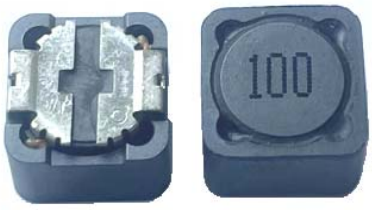
LFRH74Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFRH74-1R0N	1.0	100	0.022	4.00
LFRH74-2R2N	2.2	100	0.030	3.00
LFRH74-3R3N	3.3	100	0.035	2.80
LFRH74-4R7N	4.7	100	0.040	2.50
LFRH74-6R8N	6.8	100	0.050	2.10
LFRH74-100M	10	100	0.055	1.84
LFRH74-150M	15	100	0.081	1.47
LFRH74-180M	18	100	0.091	1.31
LFRH74-220M	22	100	0.110	1.23
LFRH74-270M	27	100	0.150	1.10
LFRH74 330M	33	100	0.170	0.96
LFRH74-390M	39	100	0.230	0.91
LFRH74-470M	47	100	0.260	0.88
LFRH74-560M	56	100	0.350	0.75
LFRH74-680M	68	100	0.380	0.69
LFRH74-820M	82	100	0.430	0.61
LFRH74-101M	100	100	0.610	0.60
LFRH74-151M	150	100	0.880	0.46
LFRH74-181M	180	100	0.980	0.42
LFRH74-221M	220	100	1.170	0.36
LFRH74-271M	270	100	1.640	0.34
LFRH74-331M	330	100	1.860	0.32
LFRH74-391M	390	100	2.850	0.29
LFRH74-471M	470	100	3.010	0.26
LFRH74-561M	560	100	3.620	0.23
LFRH74-681M	680	100	4.630	0.22
LFRH74-821M	820	100	5.200	0.20
LFRH74-102M	1000	100	6.000	0.18

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%,N=±30%

Shielded Power Inductors LFRH125&LFRH127Series

LFRH125&LFRH127Series



- Shield Power Inductors
- Inductance Range:1.0 to 1000uH
- Operating temperature -25℃ to +85℃
- Inductance drop 25% at Isat
- Rohs compliant

Product Identification

LFRH	125	-	100	M
①	②		③	④

① Product Symbol.

② Product dimensions

③ Inductance Value：(2R2=2.2uH,100=10uH,101=100uH,102=1000uH)

④ Induc tance Tolerance：(K=±10%,M=±20%,N=±30%)

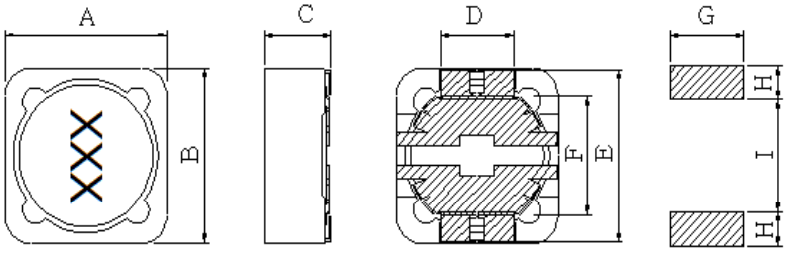
Features

- Magnetic Shielded surface mount inductor with high current rating.
- Low resistance to keep power loss minimum.
- Packed in embossed carrier tape and can be used by automatic mounting machine.

Applications

- Excellent for power line DC-DC conversion application used in Security monitoring,LCD TV, Game machine,Notebook computers and other electronic equipment.

External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	H	I
LFRH125	12.0±0.30	12.0±0.30	6.0Max	4.9±0.1	12±0.1	7.9±0.1	5.4	2.6	7.4
LFRH127	12.0±0.30	12.0±0.30	8.0Max	4.9±0.1	12±0.1	7.9±0.1	5.4	2.6	7.4

Shielded Power Inductors LFRH125&LFRH127Series

Electrical Specifications@25℃

LFRH125Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFRH125-1R2N	1.2	100	0.012	8.00
LFRH125-2R2N	2.2	100	0.015	7.00
LFRH125-3R3N	3.3	100	0.018	6.00
LFRH125-4R7N	4.7	100	0.020	5.00
LFRH125-6R8N	6.8	100	0.023	4.30
LFRH125-100M	10	100	0.025	4.00
LFRH125-150M	15	100	0.030	3.30
LFRH125-180M	18	100	0.034	3.00
LFRH125-220M	22	100	0.036	2.80
LFRH125-270M	27	100	0.051	2.30
LFRH125 330M	33	100	0.057	2.10
LFRH125-390M	39	100	0.068	2.00
LFRH125-470M	47	100	0.075	1.80
LFRH125-560M	56	100	0.110	1.70
LFRH125-680M	68	100	0.120	1.50
LFRH125-820M	82	100	0.140	1.40
LFRH125-101M	100	100	0.160	1.30
LFRH125-151M	150	100	0.230	1.00
LFRH125-181M	180	100	0.290	0.90
LFRH125-221M	220	100	0.400	0.80
LFRH125-271M	270	100	0.460	0.75
LFRH125-331M	330	100	0.510	0.68
LFRH125-391M	390	100	0.690	0.65
LFRH125-471M	470	100	0.770	0.58
LFRH125-561M	560	100	0.860	0.54
LFRH125-681M	680	100	1.200	0.48
LFRH125-821M	820	100	1.340	0.43
LFRH125-102M	1000	100	1.530	0.40

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%,N=±30%

Shielded Power Inductors LFRH125&LFRH127Series

Electrical Specifications@25℃

LFRH127Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFRH127-1R2N	1.2	100	0.007	9.80
LFRH127-2R2N	2.2	100	0.011	8.00
LFRH127-3R3N	3.3	100	0.013	7.50
LFRH127-4R7N	4.7	100	0.016	6.80
LFRH127-6R8N	6.8	100	0.019	6.40
LFRH127-100M	10	100	0.022	5.40
LFRH127-150M	15	100	0.027	4.50
LFRH127-180M	18	100	0.039	3.90
LFRH127-220M	22	100	0.043	3.60
LFRH127-270M	27	100	0.046	3.40
LFRH127 330M	33	100	0.065	3.00
LFRH127-390M	39	100	0.073	2.75
LFRH127-470M	47	100	0.100	2.50
LFRH127-560M	56	100	0.110	2.35
LFRH127-680M	68	100	0.140	2.10
LFRH127-820M	82	100	0.160	1.95
LFRH127-101M	100	100	0.220	1.70
LFRH127-151M	150	100	0.280	1.42
LFRH127-181M	180	100	0.350	1.30
LFRH127-221M	220	100	0.390	1.16
LFRH127-271M	270	100	0.560	1.06
LFRH127-331M	330	100	0.640	0.95
LFRH127-391M	390	100	0.700	0.88
LFRH127-471M	470	100	0.980	0.79
LFRH127-561M	560	100	1.070	0.73
LFRH127-681M	680	100	1.460	0.67
LFRH127-821M	820	100	1.640	0.60
LFRH127-102M	1000	100	1.820	0.55

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%,N=±30%

Shielded Power Inductors LFRH103&LFRH104&LFRH105Series

LFRH103&LFRH104&LFRH105Series

- Shield Power Inductors
- Inductance Range:1.0 to 1000uH
- Operating temperature -40℃ to +125℃
- Inductance drop 30% at Isat
- Rohs compliant

Product Identification

LFRH	103	-	100	M
①	②		③	④

① Product Symbol.

② Product dimensions

③ Inductance Value：(2R2=2.2uH,100=10uH,101=100uH,102=1000uH)

④ Induc tance Tolerance：(K=±10%,M=±20%,N=±30%)

Features

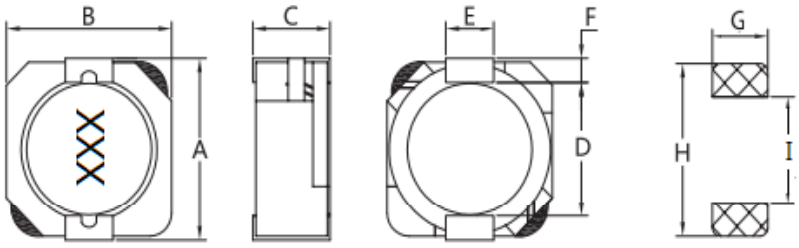
- Magnetic shielded surface mount inductor with high current rating.
- High inductance/High power inductor.
- Packed in embossed carrier tape and can be used by automatic mounting machine.

Applications

- Ideal use in variety of DC-DC converter inductor applicarions.

  Ideally used in Notebook PC,Game Machine, HDD,DVD,LCD TV.

External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	H	I
LFRH103	10.2±0.30	10.0±0.30	3.10Max	7.8	3	1.2	3.2	10.5	7.3
LFRH104	10.2±0.30	10.0±0.30	4.00Max	7.8	3	1.2	3.2	10.5	7.3
LFRH105	10.2±0.30	10.0±0.30	5.10Max	7.8	3	1.2	3.2	10.5	7.3

Shielded Power Inductors LFRH103&LFRH104&LFRH105Series

Electrical Specifications@25℃

LFRH103Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFRH103-1R5N	1.5	100	0.018	7.00
LFRH103-2R2N	2.2	100	0.023	6.50
LFRH103-3R3N	3.3	100	0.028	6.00
LFRH103-4R7N	4.7	100	0.047	5.50
LFRH103-5R6N	5.6	100	0.055	4.80
LFRH103-6R8M	6.8	100	0.058	3.84
LFRH103-8R2M	8.2	100	0.072	4.50
LFRH103-100M	10	100	0.097	3.18
LFRH103-150M	15	100	0.122	2.80
LFRH103-220M	22	100	0.143	2.40
LFRH103 330M	33	100	0.230	2.20
LFRH103-470M	47	100	0.341	1.90
LFRH103-560M	56	100	0.371	1.70
LFRH103-680M	68	100	0.511	1.50
LFRH103-820M	82	100	0.541	1.30
LFRH103-101M	100	100	0.803	1.10
LFRH103-151M	150	100	1.260	0.92
LFRH103-221M	220	100	1.760	0.75

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%,N=±30%

Shielded Power Inductors LFRH103&LFRH104&LFRH105Series

Electrical Specifications@25℃

LFRH104Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFRH104-1R0N	1.0	100	0.014	10.00
LFRH104-2R2N	2.2	100	0.021	7.50
LFRH104-3R3N	3.3	100	0.025	6.00
LFRH104-4R7N	4.7	100	0.028	5.50
LFRH104-6R8N	6.8	100	0.038	4.80
LFRH104-100M	10	100	0.043	4.40
LFRH104-150M	15	100	0.068	3.60
LFRH104-180M	18	100	0.070	3.30
LFRH104-220M	22	100	0.090	2.90
LFRH104-270M	27	100	0.117	2.60
LFRH104 330M	33	100	0.120	2.40
LFRH104-390M	39	100	0.150	2.20
LFRH104-470M	47	100	0.190	2.10
LFRH104-560M	56	100	0.297	1.80
LFRH104-680M	68	100	0.350	1.50
LFRH104-820M	82	100	0.385	1.45
LFRH104-101M	100	100	0.430	1.35
LFRH104-151M	150	100	0.506	1.15
LFRH104-181M	180	100	0.627	1.00
LFRH104-221M	220	100	0.756	0.92
LFRH104-271M	270	100	0.950	0.75
LFRH104-331M	330	100	1.090	0.70
LFRH104-391M	390	100	1.550	0.65
LFRH104-471M	470	100	1.900	0.60
LFRH104-561M	560	100	2.050	0.58
LFRH104-681M	680	100	2.200	0.55
LFRH104-821M	820	100	4.600	0.40
LFRH104-102M	1000	100	5.110	0.32

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%,N=±30%

Shielded Power Inductors LFRH103&LFRH104&LFRH105Series

Electrical Specifications@25℃

LFRH105Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFRH105-1R5N	1.5	100	0.011	10.50
LFRH105-2R2N	2.2	100	0.013	9.25
LFRH105-3R3N	3.3	100	0.017	7.80
LFRH105-4R7N	4.7	100	0.019	6.40
LFRH105-6R8N	6.8	100	0.025	5.40
LFRH105-100M	10	100	0.046	4.50
LFRH105-150M	15	100	0.049	3.60
LFRH105-180M	18	100	0.055	3.20
LFRH105-220M	22	100	0.061	2.95
LFRH105-270M	27	100	0.072	2.60
LFRH105 330M	33	100	0.084	2.40
LFRH105-390M	39	100	0.105	2.20
LFRH105-470M	47	100	0.130	2.00
LFRH105-560M	56	100	0.149	1.90
LFRH105-680M	68	100	0.201	1.65
LFRH105-820M	82	100	0.227	1.50
LFRH105-101M	100	100	0.253	1.35
LFRH105-151M	150	100	0.370	1.12
LFRH105-181M	180	100	0.419	1.04
LFRH105-221M	220	100	0.500	0.94
LFRH105-271M	270	100	0.590	0.86
LFRH105-331M	330	100	0.700	0.80
LFRH105-391M	390	100	0.800	0.75
LFRH105-471M	470	100	1.290	0.60
LFRH105-561M	560	100	1.430	0.54
LFRH105-681M	680	100	1.600	0.52
LFRH105-821M	820	100	1.770	0.50
LFRH105-102M	1000	100	1.990	0.48

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%,N=±30%

Power Inductors LFDO3316&LFDO3340&LFDO5022Series

LFDO3316&LFDO3340&LFDO5022Series

- Power Inductors
- Inductance Range:1.0 to 1000uH
- Operating temperature -40℃ to +125℃
- Inductance drop 25% at Isat
- Rohs compliant

Product Identification

LFDO	3316	-	100	M
①	②		③	④

① Product Symbol.

② Product dimensions

③ Inductance Value：(2R2=2.2uH,100=10uH,101=100uH,102=1000uH)

④ Induc tance Tolerance：(K=±10%,M=±20%,N=±30%)

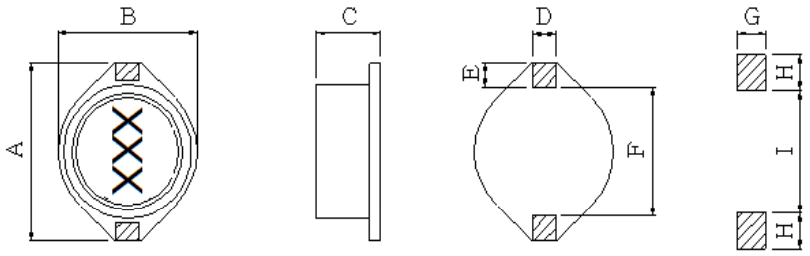
Features

- Low profile and shielded very effective in space-conscious applications.
- Low resistance and high energy storage.
- Packed in embossed carrier tape and can be used by automatic mounting machine.

Applications

- Excellent as DC-DC converter used in notebooks computers, LCD TV, DVD,Game Machine. Step-up or step-down converters, flash memory.

External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	H	I
LFDO3316	12.95Max	9.80Max	5.21Max	2.54	2.54	7.62	2.79	2.92	7.37
LFDO3340	12.95Max	9.80Max	11.43Max	2.54	2.54	7.62	2.79	2.92	7.37
LFDO5022	18.54Max	15.24Max	7.11Max	2.54	2.54	12.65	2.79	2.92	12.45

Power Inductors LFDO3316&LFDO3340&LFDO5022Series

Electrical Specifications@25℃

LFDO3316Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFDO3316-1R0N	1.0	100	0.009	6.80
LFDO3316-1R5N	1.5	100	0.100	6.40
LFDO3316-2R2N	2.2	100	0.012	6.10
LFDO3316-3R3N	3.3	100	0.015	5.40
LFDO3316-4R7N	4.7	100	0.018	4.80
LFDO3316-6R8M	6.8	100	0.027	4.40
LFDO3316-100M	10	100	0.038	3.90
LFDO3316-150M	15	100	0.046	3.10
LFDO3316-220M	22	100	0.085	2.70
LFDO3316-330M	33	100	0.100	2.10
LFDO3316 470M	47	100	0.140	1.60
LFDO3316-680M	68	100	0.200	1.40
LFDO3316-101M	100	100	0.280	1.20
LFDO3316-151M	150	100	0.400	1.00
LFDO3316-221M	220	100	0.610	0.80
LFDO3316-331M	330	100	1.020	0.60
LFDO3316-471M	470	100	1.270	0.50
LFDO3316-681M	680	100	2.020	0.40
LFDO3316-102M	1000	100	3.000	0.30

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%,N=±30%

Power Inductors LFDO3316&LFDO3340&LFDO5022Series

Electrical Specifications@25℃

LFDO3340Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFDO3340-100N	10	100	0.040	8.00
LFDO3340-150N	15	100	0.050	7.00
LFDO3340-220N	22	100	0.060	5.50
LFDO3340-330N	33	100	0.080	4.00
LFDO3340-470N	47	100	0.110	3.80
LFDO3340-680M	68	100	0.170	3.00
LFDO3340-101M	100	100	0.220	2.50
LFDO3340-151M	150	100	0.340	2.00
LFDO3340-221M	220	100	0.440	1.60
LFDO3340-331M	330	100	0.700	1.20
LFDO3340 471M	470	100	0.950	1.00
LFDO3340-681M	680	100	1.200	1.00
LFDO3340-102M	1000	100	2.000	0.80

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%,N=±30%

Power Inductors LFDO3316&LFDO3340&LFDO5022Series

Electrical Specifications@25℃

LFDO5022Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFDO5022-1R0N	1.0	100	0.009	8.60
LFDO5022-2R2N	2.2	100	0.014	7.10
LFDO5022-3R3N	3.3	100	0.018	6.20
LFDO5022-5R6N	5.6	100	0.020	5.30
LFDO5022-100N	10	100	0.031	4.30
LFDO5022-150M	15	100	0.036	4.00
LFDO5022-220M	22	100	0.047	3.50
LFDO5022-330M	33	100	0.066	3.00
LFDO5022-470M	47	100	0.086	2.60
LFDO5022-680M	68	100	0.130	2.30
LFDO5022 101M	100	100	0.190	1.80
LFDO5022-151M	150	100	0.250	1.50
LFDO5022-221M	220	100	0.380	1.20
LFDO5022-331M	330	100	0.560	1.00
LFDO5022-471M	470	100	0.850	0.82
LFDO5022-681M	680	100	1.100	0.72
LFDO5022-102M	1000	100	1.800	0.56

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%,N=±30%

SMD Molding Power Inductors Series

SMD Molding Power Inductors Series

- Molding Power Inductors
- Inductance Range:0.1 to 100uH
- Operating temperature -55℃ to +125℃
- Inductance drop 30% at Isat
- Rohs compliant

Product Identification

LFPM	0420	H	-	100	M
①	②	③		④	⑤

① Product Symbol.
② Product dimensions
③ Materials code
④ Inductance Value：(R22=0.22uH，2R2=2.2uH,100=10uH,101=100uH,)
⑤ Induc tance Tolerance：(K=±10%,M=±20%,N=±30%)

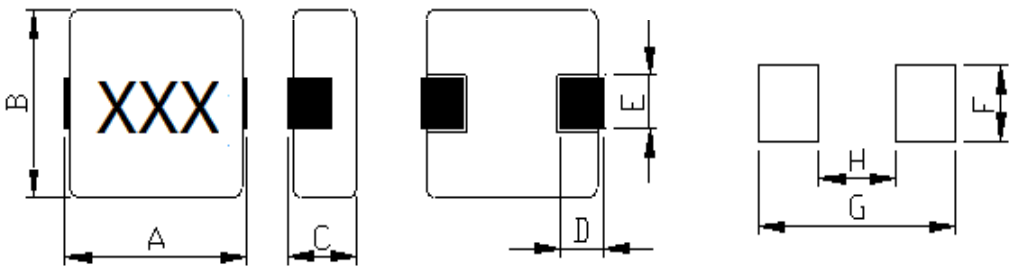
Features

- Low profile, high current power supplies.
- Low loss realized with low DCR.
- Ultra low buzz noise.
- Packed in embossed carrier tape and can be used by automatic mounting machine.

Applications

- Ideally used in NB/Desktop/server/Graphic card, LCD TV/Projector, etc as DC-DC Converter.

External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	H
LFPM0420H	4.49±0.40	4.06±0.30	2.0Max	1.1±0.30	1.5±0.30	2.30	5.20	2.20
LFPM0520H	5.60±0.30	5.00±0.30	2.0Max	1.2±0.30	2.0±0.30	2.50	7.00	3.00
LFPM0630H	7.30±0.30	6.60±0.30	3.0Max	1.6±0.30	3.0±0.30	3.50	8.40	2.50
LFPM1040H	11.0±0.50	10.0±0.30	4.0Max	2.0±0.30	3.0±0.30	4.10	13.60	5.40

SMD Molding Power Inductors Series

Electrical Specifications@25℃

LFPM0420HSeries

PartNumber	Inductance(μH)	Test Frequency (Hz)	DCR (mΩ) Typ	DCR (mΩ) Max	Saturation Current Isat(A) Max	Heat Rating Current Irms(A) Max
LFPM0420H-R10M	0.10	1M	3.8	4.5	23.0	12.0
LFPM0420H-R22M	0.22	1M	5.0	7.0	16.0	11.0
LFPM0420H-R22M	0.33	1M	8.2	10.5	12.0	10.5
LFPM0420H-R47M	0.47	1M	11.0	14.0	10.0	7.0
LFPM0420H-R68M	0.68	1M	15.0	20.0	8.0	6.0
LFPM0420H-1R0M	1.0	1M	23.0	27.0	7.0	4.5
LFPM0420H-1R2M	1.2	1M	28.0	33.0	6.5	4.0
LFPM0420H-1R5M	1.5	1M	30.0	36.0	6.0	4.0
LFPM0420H-2R2M	2.2	1M	49.0	58.0	5.0	3.0
LFPM0420H-3R3M	3.3	1M	78.0	87.0	4.0	3.0
LFPM0420H-4R7M	4.7	1M	105.0	140.0	3.0	2.2
LFPM0420H-6R8M	6.8	1M	120.0	175.0	2.5	2.4
LFPM0420H-100M	10	1M	170.0	200.0	1.8	1.5

NOTE:

1.Tolerance value: K = ±10%, M = ±20%,N=±30%

2.All test data is referenced to 25 ℃ ambient.

3.Test Condition: 1MKHz, 1.0Vrms

4.Isat : DC current (A) that will cause L0 to drop ap proximately 30%

5.Irms : DC current (A) that will cause an approximate △T of 40 ℃

6.Operating Temperature Range -55 ℃ to + 125 ℃

SMD Molding Power Inductors Series

Electrical Specifications@25℃

LFPM0520HSeries

PartNumber	Inductance(μH)	Test Frequency (Hz)	DCR (mΩ) Typ	DCR (mΩ) Max	Saturation Current Isat(A) Max	Heat Rating Current Irms(A) Max
LFPM0520H-R22M	0.22	1M	4.6	6.0	16.5	13.0
LFPM0520H-R33M	0.33	1M	7.5	9.0	15.0	12.0
LFPM0520H-R47M	0.47	1M	7.4	9.0	12.0	11.5
LFPM0520H-1R0M	1.0	1M	28.0	33.0	8.0	5.0
LFPM0520H-1R5M	1.5	1M	22.0	26.0	7.0	5.0
LFPM0520H-2R2M	2.2	1M	42.0	50.0	6.0	4.0
LFPM0520H-3R3M	3.3	1M	58.0	70.0	4.0	3.2
LFPM0520H-4R7M	4.7	1M	75.0	90.0	3.5	3.0
LFPM0520H-6R8M	6.8	1M	120.0	130.0	2.8	2.5
LFPM0520H-100M	10	1M	170.0	190.0	2.0	1.8

NOTE:

1.Tolerance value: K = ±10%, M = ±20%,N=±30%

2.All test data is referenced to 25 ℃ ambient.

3.Test Condition: 1MKHz, 1.0Vrms

4.Isat : DC current (A) that will cause L0 to drop ap proximately 30%

5.Irms : DC current (A) that will cause an approximate △T of 40 ℃

6.Operating Temperature Range -55 ℃ to + 125 ℃

Electrical Specifications@25℃

LFPM0630HSeries

PartNumber	Inductance(μH)	Test Frequency (Hz)	DCR (mΩ) Typ	DCR (mΩ) Max	Saturation Current Isat(A) Max	Heat Rating Current Irms(A) Max
LFPM0630H-R22M	0.22	1M	2.5	2.8	35.0	23.0
LFPM0630H-R33M	0.33	1M	3.0	3.9	30.0	21.0
LFPM0630H-R47M	0.47	1M	3.6	4.5	25.0	17.5
LFPM0630H-R68M	0.68	1M	5.0	5.5	17.0	16.0
LFPM0630H-1R0M	1.0	1M	7.0	8.0	15.0	12.0
LFPM0630H-1R5M	1.5	1M	10.5	12.0	13.0	9.0
LFPM0630H-2R2M	2.2	1M	16.0	20.0	10.2	8.0
LFPM0630H-3R3M	3.3	1M	21.0	28.0	8.0	6.5
LFPM0630H-4R7M	4.7	1M	28.0	35.0	6.6	5.5
LFPM0630H-6R8M	6.8	1M	45.0	55.0	6.1	5.0
LFPM0630H-8R2M	8.2	1M	60.0	68.0	6.0	4.0
LFPM0630H-100M	10	1M	60.0	68.0	5.0	4.0
LFPM0630H-150M	15	1M	95.0	110.0	3.2	2.8
LFPM0630H-220M	22	1M	121.0	167.0	3.0	2.5
LFPM0630H-330M	33	1M	215.0	245.0	2.5	1.5

NOTE:

1.Tolerance value: K = ±10%, M = ±20%,N=±30%

2.All test data is referenced to 25 ℃ ambient.

3.Test Condition: 1MKHz, 1.0Vrms

4.Isat : DC current (A) that will cause L0 to drop ap proximately 30%

5.Irms : DC current (A) that will cause an approximate △T of 40 ℃

6.Operating Temperature Range -55 ℃ to + 125 ℃

Electrical Specifications@25℃

LFPM1040HSeries

PartNumber	Inductance(μH)	Test Frequency (Hz)	DCR (mΩ) Typ	DCR (mΩ) Max	Saturation Current Isat(A) Max	Heat Rating Current Irms(A) Max
LFPM1040H-1R0M	1.0	1M	2.8	3.5	26.0	20.0
LFPM1040H-1R5M	1.5	1M	4.5	5.8	22.0	16.0
LFPM1040H-2R2M	2.2	1M	6.5	7.0	18.0	12.0
LFPM1040H-3R3M	3.3	1M	10.5	11.6	16.0	11.0
LFPM1040H-4R7M	4.7	1M	13.5	16.5	13.0	8.0
LFPM1040H-5R6M	5.6	1M	18.0	22.0	12.0	7.0
LFPM1040H-6R8M	6.8	1M	20.0	25.0	10.0	7.0
LFPM1040H-8R2M	8.2	1M	33.0	36.0	9.0	6.0
LFPM1040H-100M	10	1M	35.0	40.0	8.5	6.0
LFPM1040H-150M	15	1M	42.0	45.0	7.0	6.0
LFPM1040H-220M	22	1M	62.0	65.0	5.6	5.1
LFPM1040H-330M	33	1M	90.0	95.0	5.0	3.5
LFPM1040H-470M	47	1M	127.0	145.0	4.0	3.0

NOTE:

1.Tolerance value: K = ±10%, M = ±20%,N=±30%

2.All test data is referenced to 25 ℃ ambient.

3.Test Condition: 1MKHz, 1.0Vrms

4.Isat : DC current (A) that will cause L0 to drop ap proximately 30%

5.Irms : DC current (A) that will cause an approximate △T of 40 ℃

6.Operating Temperature Range -55 ℃ to + 125 ℃

Power Inductors LFCD43&LFCD54Series

LFCD43&LFCD54Series

- Power Inductors
- Inductance Range:1.0 to 1000uH
- Operating temperature -40℃ to +125℃
- Inductance drop 10% at Isat
- Rohs compliant

Product Identification

LFCD	43	-	100	M
①	②		③	④

① Product Symbol.

② Product dimensions

③ Inductance Value：(2R2=2.2uH,100=10uH,101=100uH,102=1000uH)

④ Induc tance Tolerance：(J=±5%,K=±10%,M=±20%,N=±30%)

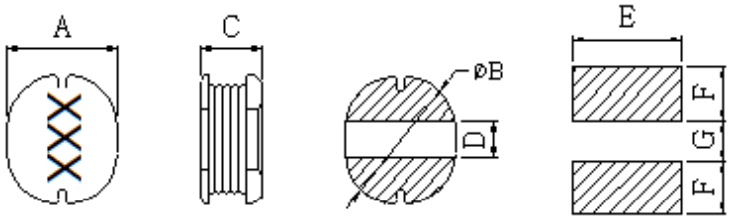
Features

- Excellent solderability and high heat resistance
- Excellent terminal strength construction.
- Packed in embossed carrier tape and can be used by automatic mounting machine.

Applications

- Power supply for VCR, OA equipment, LCD television set notebook, DC to DC converters, DC to AC inverters etc.

External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	G	Page	Note
LFCD43	4.0±0.3	4.5±0.3	3.2±0.3	1.1Ref.	4.5	2	1	27	
LFCD54	5.2±0.3	5.8±0.3	4.5±0.3	1.4Ref.	5.7	2.55	1.2	28	

Power Inductors LFCD43&LFCD54Series

Electrical Specifications@25℃

LFCD43Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFCD43-1R0M	1.0	100	0.049	2.56
LFCD43-2R2M	2.2	100	0.071	1.75
LFCD43-3R3M	3.3	100	0.086	1.44
LFCD43-4R7M	4.7	100	0.105	1.30
LFCD43-6R8M	6.8	100	0.131	1.18
LFCD43-100M	10	100	0.182	1.04
LFCD43-150M	15	100	0.235	0.85
LFCD43-180M	18	100	0.338	0.74
LFCD43-220M	22	100	0.378	0.68
LFCD43-270M	27	100	0.522	0.62
LFCD43 330M	33	100	0.540	0.56
LFCD43-390M	39	100	0.587	0.52
LFCD43-470M	47	100	0.844	0.44
LFCD43-560M	56	100	0.937	0.42
LFCD43-680M	68	100	1.117	0.37
LFCD43-820M	82	100	1.180	0.30
LFCD43-101M	100	100	1.500	0.27
LFCD43-151M	150	100	2.500	0.21
LFCD43-181M	180	100	3.500	0.20
LFCD43-221M	220	100	4.000	0.19
LFCD43-271M	270	100	3.900	0.18
LFCD43-331M	330	100	5.300	0.17
LFCD43-391M	390	100	5.900	0.17
LFCD43-471M	470	100	6.800	0.15
LFCD43-561M	560	100	8.500	0.15
LFCD43-681M	680	100	10.000	0.12
LFCD43-821M	820	100	13.400	0.12
LFCD43-102M	1000	100	15.600	0.11

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%

Power Inductors LFCD43&LFCD54Series

Electrical Specifications@25℃

LFCD54Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
LFCD54-1R0M	1.0	100	0.012	5.00
LFCD54-1R5M	1.5	100	0.015	4.50
LFCD54-2R7M	2.7	100	0.024	3.50
LFCD54-3R3M	3.3	100	0.027	3.00
LFCD54-4R7M	4.7	100	0.027	3.00
LFCD54-6R8M	6.8	100	0.045	2.20
LFCD54-100M	10	100	0.100	1.44
LFCD54-120M	12	100	0.120	1.40
LFCD54-150M	15	100	0.140	1.30
LFCD54-180M	18	100	0.150	1.23
LFCD54 220M	22	100	0.180	1.11
LFCD54-270M	27	100	0.200	0.97
LFCD54-330M	33	100	0.230	0.88
LFCD54-390M	39	100	0.320	0.80
LFCD54-470M	47	100	0.370	0.72
LFCD54-560M	56	100	0.420	0.68
LFCD54-680M	68	100	0.460	0.61
LFCD54-820M	82	100	0.600	0.58
LFCD54-101M	100	100	0.700	0.52
LFCD54-121M	120	100	0.930	0.48
LFCD54-151M	150	100	1.100	0.40
LFCD54-181M	180	100	1.380	0.38
LFCD54-221M	220	100	1.570	0.35
LFCD54-271M	270	100	1.600	0.30
LFCD54-331M	330	100	2.000	0.28
LFCD54-471M	470	100	3.000	0.25
LFCD54-561M	560	100	3.600	0.23
LFCD54-681M	680	100	4.000	0.19
LFCD54-821M	820	100	4.500	0.16
LFCD54-102M	10000	100	4.900	0.14

NOTE: Tolerance value: K = ±10%, L = ±15%, M = ±20%