

*All the data listed in this catalogue are for reference only, company reserves the right to alter or revise the specifications without prior notification.

*Detailed specifications are available upon request.

*Customized specifications are available, please contact company for the details.

Type	Fig	TJ P/N	Main Dimensions(mm)			Page
			L	W	H	
Thin Film Common Mode Filters		CMF0605	0.65±0.05	0.55±0.05	0.3±0.05	P2~P4
		CMF0806	0.85±0.05	0.65±0.05	0.4±0.05	
Power Inductors (Shielded)		FRH73	7.2±0.3	7.2±0.3	3.2±0.3	P5~P7
		FRH74	7.2±0.3	7.2±0.3	4.2±0.3	
Power Inductors (Shielded)		FRH103	10.2±0.3	10.0±0.3	3.1Max	P8~P11
		FRH104	10.2±0.3	10.0±0.3	4.0Max	
		FRH105	10.2±0.3	10.0±0.3	5.1Max	
Power Inductors		FDO3316	12.95Max	9.80Max	5.21Max	P12~P15
		FDO3340	12.95Max	9.80Max	11.43Max	
		FDO5022	18.54Max	15.24Max	7.11Max	
SMD Molding Power Inductors		FPM0420	4.49±0.40	4.06±0.30	2.0Max	P16~P20
		FPM0520	5.60±0.30	5.00±0.30	2.0Max	
		FPM0630	7.30±0.30	6.60±0.30	3.0Max	
		FPM1040	11.0±0.50	10.0±0.30	4.0Max	
Power Inductors		CD43	4.0±0.3	4.5±0.3	3.2±0.3	P21~P23
		CD54	5.2±0.3	5.8±0.3	4.5±0.3	

Power Inductors FCD43&FCD54Series

FCD43&FCD54Series



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

Product Identification

FCD 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%)

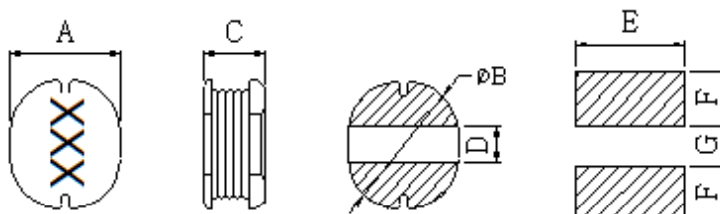
Features

- 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
FCD43	4.0±0.3	4.5±0.3	3.2±0.3	1.1Ref.	4.5	2	1	27	
FCD54	5.2±0.3	5.8±0.3	4.5±0.3	1.4Ref.	5.7	2.55	1.2	28	

特金科技有限公司
TE-JIN TECHNOLOGY CO., LTD.

Power Inductors FCD43&FCD54Series

Electrical Specifications@25℃

FCD43Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
FCD43-1R0M	1.0	100	0.049	2.56
FCD43-2R2M	2.2	100	0.071	1.75
FCD43-3R3M	3.3	100	0.086	1.44
FCD43-4R7M	4.7	100	0.105	1.30
FCD43-6R8M	6.8	100	0.131	1.18
FCD43-100M	10	100	0.182	1.04
FCD43-150M	15	100	0.235	0.85
FCD43-180M	18	100	0.338	0.74
FCD43-220M	22	100	0.378	0.68
FCD43-270M	27	100	0.522	0.62
FCD43-330M	33	100	0.540	0.56
FCD43-390M	39	100	0.587	0.52
FCD43-470M	47	100	0.844	0.44
FCD43-560M	56	100	0.937	0.42
FCD43-680M	68	100	1.117	0.37
FCD43-820M	82	100	1.180	0.30
FCD43-101M	100	100	1.500	0.27
FCD43-151M	150	100	2.500	0.21
FCD43-181M	180	100	3.500	0.20
FCD43-221M	220	100	4.000	0.19
FCD43-271M	270	100	3.900	0.18
FCD43-331M	330	100	5.300	0.17
FCD43-391M	390	100	5.900	0.17
FCD43-471M	470	100	6.800	0.15
FCD43-561M	560	100	8.500	0.15
FCD43-681M	680	100	10.000	0.12
FCD43-821M	820	100	13.400	0.12
FCD43-102M	1000	100	15.600	0.11

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

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Power Inductors FCD43&FCD54Series

Electrical Specifications@25℃

FCD54Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
FCD54-1R0M	1.0	100	0.012	5.00
FCD54-1R5M	1.5	100	0.015	4.50
FCD54-2R7M	2.7	100	0.024	3.50
FCD54-3R3M	3.3	100	0.027	3.00
FCD54-4R7M	4.7	100	0.027	3.00
FCD54-6R8M	6.8	100	0.045	2.20
FCD54-100M	10	100	0.100	1.44
FCD54-120M	12	100	0.120	1.40
FCD54-150M	15	100	0.140	1.30
FCD54-180M	18	100	0.150	1.23
FCD54-220M	22	100	0.180	1.11
FCD54-270M	27	100	0.200	0.97
FCD54-330M	33	100	0.230	0.88
FCD54-390M	39	100	0.320	0.80
FCD54-470M	47	100	0.370	0.72
FCD54-560M	56	100	0.420	0.68
FCD54-680M	68	100	0.460	0.61
FCD54-820M	82	100	0.600	0.58
FCD54-101M	100	100	0.700	0.52
FCD54-121M	120	100	0.930	0.48
FCD54-151M	150	100	1.100	0.40
FCD54-181M	180	100	1.380	0.38
FCD54-221M	220	100	1.570	0.35
FCD54-271M	270	100	1.600	0.30
FCD54-331M	330	100	2.000	0.28
FCD54-471M	470	100	3.000	0.25
FCD54-561M	560	100	3.600	0.23
FCD54-681M	680	100	4.000	0.19
FCD54-821M	820	100	4.500	0.16
FCD54-102M	10000	100	4.900	0.14

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