

*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	

Shielded Power Inductors FRH73&FRH74Series

FRH73&FRH74Series



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

Product Identification

FRH 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%)

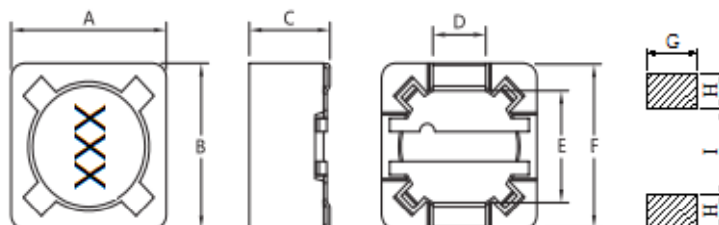
Features

- 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
FRH73	7.2±0.30	7.2±0.30	3.2±0.30	1.8	5	7.25	2.2	1.6	4.8
FRH74	7.2±0.30	7.2±0.30	4.2±0.30	1.8	5	7.25	2.2	1.6	4.8

特金科技有限公司
TE-JIN TECHNOLOGY CO., LTD.

Shielded Power Inductors FRH73&FRH74Series

Electrical Specifications@25℃

FRH73Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
FRH73-1R0N	1.0	100	0.025	3.60
FRH73-2R2N	2.2	100	0.035	2.50
FRH73-3R3N	3.3	100	0.038	2.00
FRH73-4R7N	4.7	100	0.040	1.82
FRH73-6R8N	6.8	100	0.058	1.70
FRH73-100M	10	100	0.072	1.68
FRH73-150M	15	100	0.130	1.33
FRH73-180M	18	100	0.140	1.20
FRH73-220M	22	100	0.190	1.07
FRH73-270M	27	100	0.210	0.96
FRH73-330M	33	100	0.240	0.91
FRH73-390M	39	100	0.320	0.77
FRH73-470M	47	100	0.360	0.76
FRH73-560M	56	100	0.470	0.68
FRH73-680M	68	100	0.520	0.61
FRH73-820M	82	100	0.690	0.57
FRH73-101M	100	100	0.790	0.50
FRH73-151M	150	100	1.270	0.43
FRH73-181M	180	100	1.450	0.39
FRH73-221M	220	100	1.650	0.35
FRH73-271M	270	100	2.310	0.32
FRH73-331M	330	100	2.620	0.28
FRH73-391M	390	100	2.940	0.26
FRH73-471M	470	100	4.180	0.24
FRH73-561M	560	100	4.670	0.22
FRH73-681M	680	100	5.730	0.19
FRH73-821M	820	100	6.540	0.18
FRH73-102M	1000	100	9.440	0.16

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

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FRH74Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
FRH74-1R0N	1.0	100	0.022	4.00
FRH74-2R2N	2.2	100	0.030	3.00
FRH74-3R3N	3.3	100	0.035	2.80
FRH74-4R7N	4.7	100	0.040	2.50
FRH74-6R8N	6.8	100	0.050	2.10
FRH74-100M	10	100	0.055	1.84
FRH74-150M	15	100	0.081	1.47
FRH74-180M	18	100	0.091	1.31
FRH74-220M	22	100	0.110	1.23
FRH74-270M	27	100	0.150	1.10
FRH74-330M	33	100	0.170	0.96
FRH74-390M	39	100	0.230	0.91
FRH74-470M	47	100	0.260	0.88
FRH74-560M	56	100	0.350	0.75
FRH74-680M	68	100	0.380	0.69
FRH74-820M	82	100	0.430	0.61
FRH74-101M	100	100	0.610	0.60
FRH74-151M	150	100	0.880	0.46
FRH74-181M	180	100	0.980	0.42
FRH74-221M	220	100	1.170	0.36
FRH74-271M	270	100	1.640	0.34
FRH74-331M	330	100	1.860	0.32
FRH74-391M	390	100	2.850	0.29
FRH74-471M	470	100	3.010	0.26
FRH74-561M	560	100	3.620	0.23
FRH74-681M	680	100	4.630	0.22
FRH74-821M	820	100	5.200	0.20
FRH74-102M	1000	100	6.000	0.18

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