

*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 FDO3316&FDO3340&FDO5022Series

FDO3316&FDO3340&FDO5022Series



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

Product Identification

FDO 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%)

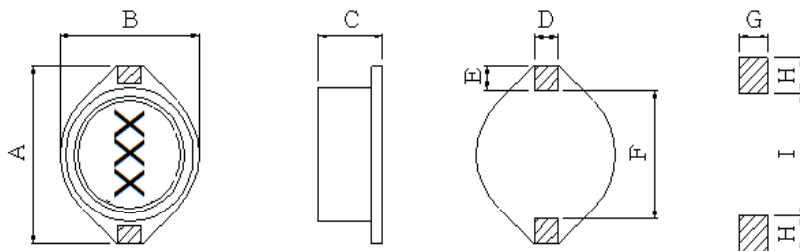
Features

- 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:mm)



Type	A	B	C	D	E	F	G	H	I
FDO3316	12.95Max	9.80Max	5.21Max	2.54	2.54	7.62	2.79	2.92	7.37
FDO3340	12.95Max	9.80Max	11.43Max	2.54	2.54	7.62	2.79	2.92	7.37
FDO5022	18.54Max	15.24Max	7.11Max	2.54	2.54	12.65	2.79	2.92	12.45

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TE-JIN TECHNOLOGY CO., LTD.

Power Inductors FDO3316&FDO3340&FDO5022Series

Electrical Specifications@25℃

FDO3316Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
FDO3316-1R0N	1.0	100	0.009	6.80
FDO3316-1R5N	1.5	100	0.100	6.40
FDO3316-2R2N	2.2	100	0.012	6.10
FDO3316-3R3N	3.3	100	0.015	5.40
FDO3316-4R7N	4.7	100	0.018	4.80
FDO3316-6R8M	6.8	100	0.027	4.40
FDO3316-100M	10	100	0.038	3.90
FDO3316-150M	15	100	0.046	3.10
FDO3316-220M	22	100	0.085	2.70
FDO3316-330M	33	100	0.100	2.10
FDO3316-470M	47	100	0.140	1.60
FDO3316-680M	68	100	0.200	1.40
FDO3316-101M	100	100	0.280	1.20
FDO3316-151M	150	100	0.400	1.00
FDO3316-221M	220	100	0.610	0.80
FDO3316-331M	330	100	1.020	0.60
FDO3316-471M	470	100	1.270	0.50
FDO3316-681M	680	100	2.020	0.40
FDO3316-102M	1000	100	3.000	0.30

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

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Power Inductors FDO3316&FDO3340&FDO5022Series

Electrical Specifications@25℃

FDO3340Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
FDO3340-100N	10	100	0.040	8.00
FDO3340-150N	15	100	0.050	7.00
FDO3340-220N	22	100	0.060	5.50
FDO3340-330N	33	100	0.080	4.00
FDO3340-470N	47	100	0.110	3.80
FDO3340-680M	68	100	0.170	3.00
FDO3340-101M	100	100	0.220	2.50
FDO3340-151M	150	100	0.340	2.00
FDO3340-221M	220	100	0.440	1.60
FDO3340-331M	330	100	0.700	1.20
FDO3340-471M	470	100	0.950	1.00
FDO3340-681M	680	100	1.200	1.00
FDO3340-102M	1000	100	2.000	0.80

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

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Power Inductors FDO3316&FDO3340&FDO5022Series

Electrical Specifications@25℃

FDO5022Series

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω)Max	Rated DC Current (A)Max
FDO5022-1R0N	1.0	100	0.009	8.60
FDO5022-2R2N	2.2	100	0.014	7.10
FDO5022-3R3N	3.3	100	0.018	6.20
FDO5022-5R6N	5.6	100	0.020	5.30
FDO5022-100N	10	100	0.031	4.30
FDO5022-150M	15	100	0.036	4.00
FDO5022-220M	22	100	0.047	3.50
FDO5022-330M	33	100	0.066	3.00
FDO5022-470M	47	100	0.086	2.60
FDO5022-680M	68	100	0.130	2.30
FDO5022-101M	100	100	0.190	1.80
FDO5022-151M	150	100	0.250	1.50
FDO5022-221M	220	100	0.380	1.20
FDO5022-331M	330	100	0.560	1.00
FDO5022-471M	470	100	0.850	0.82
FDO5022-681M	680	100	1.100	0.72
FDO5022-102M	1000	100	1.800	0.56

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