

INDUCTORS

Radial Shielded Power Inductors FS Series

Features:

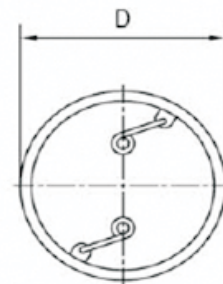
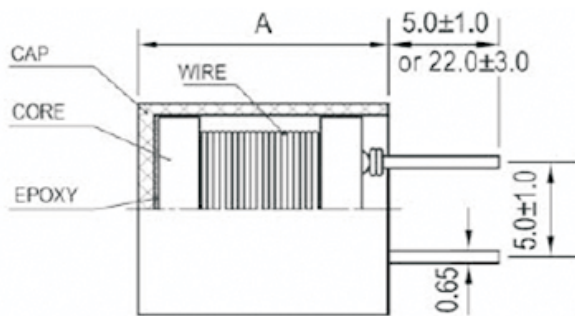
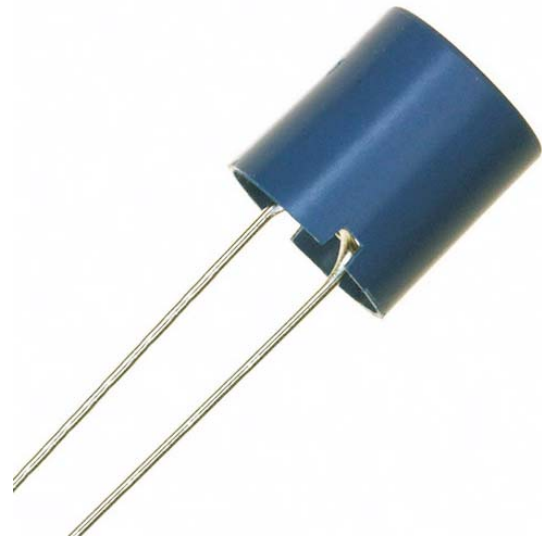
- *Encapsulated in a resin housing which adds to the stability of the mounted part on a PCB.
- *Low DC Resistance and high current.
- *Best for the power supply line applications.
- *High dimensional accuracy.
- *Meets UL 94V-0 flammability standard.
- *Tape packaging for auto-insertion.

Applications

- *Televisions, VCD,DVD.
- *Personal computer.
- *Switching Power Supply.
- *Telecommunication devices

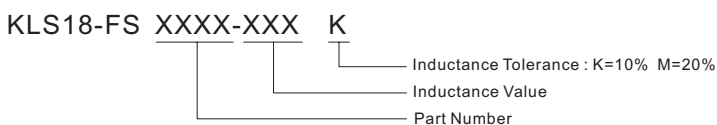
Test equipment:

- *L: HP4284A Precision LCR meter @1kHz 0.25V
- *Q: HP4285A Precision LCR meter.
- *DCR : Millil-ohm meter
- *SRF : HM9461 L-SRF meter or equivalent.



P/N	D ± 0.3	A ± 0.3
FS0709	7.8	9.5
FS0809	8.8	9.5
FS1112	11.2	12.2

ORDER INFORMATION



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PART NO.	L (uH) @1kHz	Q min	TESTING FREQ.(MHZ)	SRF(MHz) MIN	DCR (Ω) MAX	Rated current(A) Max.	
						I sat.	I rm
FS0709-1R0M	1.0	10	7.96MHz	70	0.006	6.6	5.0
FS0709-1R5M	1.5	10	7.96MHz	56	0.008	5.4	4.3
FS0709-2R2M	2.2	10	7.96MHz	45	0.011	4.0	3.7
FS0709-3R3M	3.3	10	7.96MHz	36	0.018	3.6	2.9
FS0709-4R7M	4.7	10	7.96MHz	29	0.022	3.1	2.6
FS0709-6R8M	6.8	10	7.96MHz	7.6	0.17	0.96	0.94
FS0709-100K	10	20	2.52MHz	6.2	0.28	0.79	0.73
FS0709-150K	15	20	2.52MHz	5.0	0.33	0.66	0.67
FS0709-220K	22	20	2.52MHz	4.0	0.56	0.53	0.52
FS0709-330K	33	20	2.52MHz	3.2	0.72	0.44	0.46
FS0709-470K	47	20	2.52MHz	7.6	0.17	0.96	0.94
FS0709-680K	68	20	2.52MHz	6.2	0.28	0.79	0.73
FS0709-101K	100	20	796KHz	5.0	0.33	0.66	0.67
FS0709-151K	150	20	796KHz	4.0	0.56	0.53	0.52
FS0709-221K	220	20	796KHz	3.2	0.72	0.44	0.46
FS0709-331K	330	20	796KHz	2.5	1.10	0.36	0.37
FS0709-471K	470	20	796KHz	2.0	1.7	0.30	0.30
FS0709-681K	680	20	796KHz	1.7	2.3	0.25	0.26
FS0709102K	1000	70	252KHz	1.3	4.3	0.20	0.19
FS0709-152K	1500	50	252KHz	1.3	5.0	0.17	0.16

PART NO.	L (uH) @1kHz	Q min	TESTING FREQ.(MHZ)	SRF(MHz) MIN	DCR (Ω) MAX	Rated current(A) Max.	
						I sat.	I rm
FS0809-2R2M	2.2	10	7.96MHz	60	0.011	5.5	4.0
FS0809-3R3M	3.3	10	7.96MHz	38	0.013	3.8	3.4
FS0809-4R7M	4.7	10	7.96MHz	30	0.017	3.7	3.0
FS0809-6R8M	6.8	10	7.96MHz	24	0.023	2.8	2.6
FS0809-100K	10	20	2.52MHz	19	0.031	2.5	2.2
FS0809-150K	15	20	2.52MHz	15	0.042	2.0	1.9
FS0809-220K	22	20	2.52MHz	12	0.070	1.6	1.5
FS0809-330K	33	20	2.52MHz	10	0.092	1.3	1.2
FS0809-470K	47	20	2.52MHz	8.2	0.13	1.1	1.0
FS0809-680K	68	20	2.52MHz	6.6	0.16	0.91	0.97
FS0809-101K	100	15	796KHz	5.4	0.23	0.75	0.81
FS0809-151K	150	15	796KHz	4.3	0.400	0.6	0.61
FS0809-221K	220	15	796KHz	3.5	0.53	0.50	0.53
FS0809-331K	330	15	796KHz	2.8	0.78	0.41	0.44
FS0809-471K	470	10	796KHz	2.3	1.0	0.34	0.39
FS0809-681K	680	10	796KHz	1.9	1.5	0.28	0.32
FS0809-102K	1000	20	252KHz	1.5	2.2	0.23	0.26
FS0809-152K	1500	30	252KHz	1.2	3.5	0.18	0.21

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PART NO.	L (uH) @1kHz	Q min	TESTING FREQ.(MHZ)	SRF(MHz) MIN	DCR (Ω) MAX	Rated current(A) Max.	
						I sat.	I rm
FS11 12-3R3M	3.3	10	7.96MHz	(M36H z)	0.010	8.8	5.9
FS11 12-4R7M	4.7	10	7.96MHz	28	0.015	7.2	4.8
FS11 12-6R8M	6.8	10	7.96MHz	18	0.016	6.1	4.6
FS11 12-100M	10	20	2.52MHz	16	0.025	5.0	3.7
FS11 12-150M	15	20	2.52MHz	12	0.029	4.2	3.4
FS11 12-220K	22	20	2.52MHz	9.5	0.040	3.4	2.9
FS11 12-330K	33	30	2.52MHz	7.0	0.062	2.8	2.3
FS11 12-470K	47	30	2.52MHz	5.8	0.075	2.3	2.1
FS11 12-680K	68	20	2.52MHz	4.7	0.13	1.9	1.6
FS11 12-101K	100	20	796KHz	3.8	0.16	1.6	1.4
FS11 12-151K	150	20	796KHz	3.1	0.26	1.3	1.1
FS11 12-221K	220	20	796KHz	2.5	0.33	1.1	1.0
FS11 12-331K	330	20	796KHz	2.0	0.52	0.88	0.82
FS11 12-471K	470	10	796KHz	1.6	0.66	0.75	0.72
FS11 12-681K	680	10	796KHz	1.3	1.1	0.61	0.56
FS11 12-102J	1000	20	252KHz	1.1	1.4	0.51	0.50
FS11 12-152J	1500	30	252KHz	0.82	2.4	0.43	0.38
FS11 12-222J	2200	20	252KHz	0.76	3.2	0.35	0.33
FS11 12-332J	3300	30	252KHz	0.64	4.9	0.28	0.26
FS11 12-472J	4700	30	252KHz	0.54	7.6	0.24	0.21
FS11 12-682J	6800	30	252KHz	0.45	9.8	0.20	0.18
FS11 12-103J	10000	30	79.6KHz	0.38	18	0.17	0.14
FS11 12-153J	15000	50	79.6KHz	0.29	24	0.13	0.12