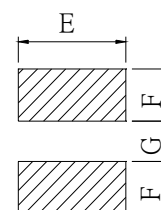
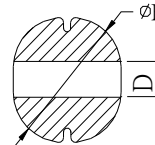
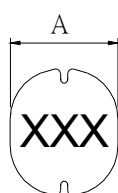


Power Inductors

TL-HSM31A/31B/32/42/43/52A/52B/53A/53B/54/73/75/104/105/106/108 Series

Dimension (mm)



Part No.	A	B	C	D	E	F	G	Page
TL-HSM31A	3.0±0.3	3.5±0.3	1.1±0.3	1.0Ref	3.2	1.6	0.8	3
TL-HSM31B	3.0±0.3	3.5±0.3	2.0±0.3	1.0Ref	3.2	1.6	0.8	3
TL-HSM32	3.0±0.3	3.5±0.3	2.1±0.3	1.0Ref	3.2	3.5	1.6	4
TL-HSM42	4.0±0.3	4.5±0.3	2.1±0.3	1.1Ref	4.5	2.0	1.0	5
TL-HSM43	4.0±0.3	4.5±0.3	3.2±0.3	1.1Ref	4.5	2.0	1.0	6
TL-HSM52A	5.2±0.3	5.8±0.3	2.5±0.3	1.4Ref	5.7	2.55	1.2	7
TL-HSM52B	5.2±0.3	5.8±0.3	3.0±0.3	1.4Ref	5.7	2.55	1.2	8
TL-HSM53	5.2±0.3	5.8±0.3	3.0±0.3	1.4Ref	5.7	2.55	1.2	9
TL-HSM54	5.2±0.3	5.8±0.3	4.5±0.3	1.4Ref	5.7	2.55	1.2	10
TL-HSM73	7.0±0.3	7.8±0.3	3.5±0.3	1.7Ref	7.5	3.4	1.5	11
TL-HSM75	7.0±0.3	7.8±0.3	5.0±0.3	1.7Ref	7.5	3.4	1.5	12
TL-HSM104	9.0±0.3	10.0±0.3	4.0±0.3	2.2Ref	9.5	4.25	2.0	13
TL-HSM105	9.0±0.3	10.0±0.3	5.4±0.3	2.2Ref	9.5	4.25	2.0	14
TL-HSM106	9.0±0.3	10.0±0.3	6.5±0.3	2.2Ref	9.5	1.5	3.7	15
TL-HSM108	9.0±0.3	10.0±0.3	8.3±0.3	2.2Ref	9.7	2.0	4.4	16

**Electrical Characteristics****TL-HSM31A/31B Series**

Part No.	Inductance (μ H)	DCR(Max) (Ω)	IDC(A)(Max) $\Delta L=10\%$	Test Freq
TL-HSM31A-2R2M	2.2	0.3	1.60	100KHz,0.1V
TL-HSM31A-3R3M	3.3	0.35	1.55	100KHz,0.1V
TL-HSM31A-4R7M	4.7	0.4	1.47	100KHz,0.1V
TL-HSM31A-6R8M	6.8	0.5	1.34	100KHz,0.1V
TL-HSM31A-100M	10	0.6	1.24	100KHz,0.1V
TL-HSM31A-150M	15	0.75	1.22	100KHz,0.1V
TL-HSM31A-220M	22	1.05	1.09	100KHz,0.1V
TL-HSM31A-470M	47	2.5	0.96	100KHz,0.1V
TL-HSM31B-1R0M	1.0	0.052	2.50	100KHz,0.1V
TL-HSM31B-1R5M	1.5	0.065	2.00	100KHz,0.1V
TL-HSM31B-2R2M	2.2	0.067	1.20	100KHz,0.1V
TL-HSM31B-3R3M	3.3	0.27	1.08	100KHz,0.1V
TL-HSM31B-3R9M	3.9	0.83	1.00	100KHz,0.1V
TL-HSM31B-4R7M	4.7	1.131	1.00	100KHz,0.1V
TL-HSM31B-5R6M	5.6	1.25	0.80	100KHz,0.1V
TL-HSM31B-8R2M	8.2	1.00	0.58	100KHz,0.1V
TL-HSM31B-100M	10	0.27	0.75	100KHz,0.1V
TL-HSM31B-120M	12	0.52	0.76	100KHz,0.1V
TL-HSM31B-150M	15	0.91	0.50	100KHz,0.1V
TL-HSM31B-180M	18	1.75	0.40	100KHz,0.1V
TL-HSM31B-220M	22	1.9	0.35	100KHz,0.1V
TL-HSM31B-270M	27	2.85	0.32	100KHz,0.1V
TL-HSM31B-330M	33	4.05	0.30	100KHz,0.1V
TL-HSM31B-390M	39	6.3	0.30	100KHz,0.1V
TL-HSM31B-470M	47	8.3	0.30	100KHz,0.1V
TL-HSM31B-560M	56	10.25	0.30	100KHz,0.1V
TL-HSM31B-680M	68	15.3	0.25	100KHz,0.1V
TL-HSM31B-820M	82	18.3	0.25	100KHz,0.1V
TL-HSM31B-101M	100	22.7	0.20	100KHz,0.1V
TL-HSM31B-121M	120	25.3	0.20	100KHz,0.1V
TL-HSM31B-151M	150	26.35	0.20	100KHz,0.1V
TL-HSM31B-181M	180	28.35	0.10	100KHz,0.1V



Electrical Characteristics

TL-HSM32 Series

Part NO.	Inductance (μ H)	DCR(Max) (Ω)	IDC(A)(Max) $\Delta L=10\%$	Test Freq
TL-HSM32-1R0M	1.0	0.07	2.08	100KHz,0.1V
TL-HSM32-1R2M	1.2	0.032	2.10	100KHz,0.1V
TL-HSM32-1R5M	1.5	0.034	1.70	100KHz,0.1V
TL-HSM32-2R2M	2.2	0.13	1.39	100KHz,0.1V
TL-HSM32-2R7M	2.7	0.068	1.40	100KHz,0.1V
TL-HSM32-3R3M	3.3	0.2	1.25	100KHz,0.1V
TL-HSM32-3R9M	3.9	0.21	1.20	100KHz,0.1V
TL-HSM32-4R7M	4.7	0.33	1.03	100KHz,0.1V
TL-HSM32-5R6M	5.6	0.35	0.91	100KHz,0.1V
TL-HSM32-6R8M	6.8	0.43	0.85	100KHz,0.1V
TL-HSM32-8R2M	8.2	0.195	0.92	100KHz,0.1V
TL-HSM32-100M	10.0	0.65	0.74	100KHz,0.1V
TL-HSM32-120M	12.0	0.82	0.64	100KHz,0.1V
TL-HSM32-150M	15.0	0.9	0.60	100KHz,0.1V
TL-HSM32-180M	18.0	1.14	0.54	100KHz,0.1V
TL-HSM32-220K	22.0	1.39	0.50	100KHz,0.1V
TL-HSM32-270K	27.0	1.55	0.43	100KHz,0.1V
TL-HSM32-330K	33.0	2.15	0.37	100KHz,0.1V
TL-HSM32-390K	39.0	2.44	0.36	100KHz,0.1V
TL-HSM32-470K	47.0	2.68	0.31	100KHz,0.1V
TL-HSM32-560K	56.0	3.05	0.30	100KHz,0.1V
TL-HSM32-680K	68.0	3.48	0.28	100KHz,0.1V
TL-HSM32-820K	82.0	3.84	0.25	100KHz,0.1V
TL-HSM32-101K	100.0	5.76	0.20	100KHz,0.1V
TL-HSM32-121K	120.0	6.62	0.19	100KHz,0.1V
TL-HSM32-151K	150.0	7.36	0.17	100KHz,0.1V
TL-HSM32-181K	180.0	8.38	0.16	100KHz,0.1V
TL-HSM32-221K	220.0	13.7	0.14	100KHz,0.1V
TL-HSM32-271K	270.0	5.88	0.10	100KHz,0.1V
TL-HSM32-331K	330.0	6.7	0.09	100KHz,0.1V
TL-HSM32-102K	100.0	2.1	0.30	100KHz,0.1V
TL-HSM32-561K	560.0	8.5	0.25	100KHz,0.1V
TL-HSM32-201K	200.0	3.25	0.20	100KHz,0.1V
TL-HSM32-301K	300.0	5.25	0.10	100KHz,0.1V



Electrical Characteristics

TL-HSM42 Series

Part NO.	Inductance (μ H)	DCR(Max) (Ω)	IDC(A)(Max) $\Delta L=10\%$	Test Freq
TL-HSM42-2R2M	2.2	1.05	1.70	100KHz,0.1V
TL-HSM42-2R7M	2.7	1.05	1.60	100KHz,0.1V
TL-HSM42-3R3M	3.3	1.20	1.45	100KHz,0.1V
TL-HSM42-3R9M	3.9	1.25	1.30	100KHz,0.1V
TL-HSM42-4R7M	4.7	1.25	1.25	100KHz,0.1V
TL-HSM42-5R6M	5.6	1.30	1.15	100KHz,0.1V
TL-HSM42-6R8M	6.8	1.35	1.05	100KHz,0.1V
TL-HSM42-8R2M	8.2	1.40	0.94	100KHz,0.1V
TL-HSM42-100M	10	1.44	0.84	100KHz,0.1V
TL-HSM42-120M	12	1.55	0.76	100KHz,0.1V
TL-HSM42-150M	15	1.50	0.69	100KHz,0.1V
TL-HSM42-180M	18	2.20	0.64	100KHz,0.1V
TL-HSM42-220K	22	2.52	0.57	100KHz,0.1V
TL-HSM42-270K	27	3.32	0.51	100KHz,0.1V
TL-HSM42-330K	33	3.35	0.46	100KHz,0.1V
TL-HSM42-390K	39	3.5	0.42	100KHz,0.1V
TL-HSM42-470K	47	3.65	0.39	100KHz,0.1V
TL-HSM42-560K	56	3.70	0.36	100KHz,0.1V
TL-HSM42-680K	68	3.70	0.32	100KHz,0.1V
TL-HSM42-820K	82	3.75	0.29	100KHz,0.1V
TL-HSM42-101K	100	3.8	0.26	100KHz,0.1V
TL-HSM42-121K	120	3.85	0.24	100KHz,0.1V
TL-HSM42-151K	150	3.85	0.21	100KHz,0.1V
TL-HSM42-181K	180	4.00	0.20	100KHz,0.1V
TL-HSM42-221K	220	4.00	0.18	100KHz,0.1V
TL-HSM42-271K	270	4.05	0.16	100KHz,0.1V
TL-HSM42-331K	330	4.08	0.16	100KHz,0.1V
TL-HSM42-391K	390	4.56	0.16	100KHz,0.1V
TL-HSM42-471K	470	11.25	1.15	100KHz,0.1V
TL-HSM42-122K	1200	16.63	1.15	100KHz,0.1V
TL-HSM42-182K	1800	18.34	1.15	100KHz,0.1V
TL-HSM42-202K	2000	24.82	1.14	100KHz,0.1V
TL-HSM42-222K	2200	32.24	1.10	100KHz,0.1V

Electrical Characteristics
TL-HSM43 Series

Part NO.	Inductance (μ H)	DCR(Max) (Ω)	IDC(A)(Max) $\Delta L=10\%$	Test Freq
TL-HSM43-1R0M	1.0	0.049	2.56	100KHz,0.1V
TL-HSM43-1R4M	1.4	0.056	2.52	100KHz,0.1V
TL-HSM43-1R8M	1.8	0.064	1.95	100KHz,0.1V
TL-HSM43-2R2M	2.2	0.071	1.75	100KHz,0.1V
TL-HSM43-2R7M	2.7	0.079	1.58	100KHz,0.1V
TL-HSM43-3R3M	3.3	0.086	1.44	100KHz,0.1V
TL-HSM43-3R9M	3.9	0.094	1.33	100KHz,0.1V
TL-HSM43-4R7M	4.7	0.058	1.15	100KHz,0.1V
TL-HSM43-5R6M	5.6	0.126	1.25	100KHz,0.1V
TL-HSM43-6R8M	6.8	0.131	1.18	100KHz,0.1V
TL-HSM43-8R2M	8.2	0.146	1.12	100KHz,0.1V
TL-HSM43-8R4M	8.4	0.093	0.84	100KHz,0.1V
TL-HSM43-100M	10	0.182	1.04	100KHz,0.1V
TL-HSM43-120M	12	0.210	0.97	100KHz,0.1V
TL-HSM43-150M	15	0.235	0.85	100KHz,0.1V
TL-HSM43-180M	18	0.338	0.74	100KHz,0.1V
TL-HSM43-220M	22	0.378	0.68	100KHz,0.1V
TL-HSM43-250M	25	0.520	0.60	100KHz,0.1V
TL-HSM43-270M	27	0.522	0.62	100KHz,0.1V
TL-HSM43-330K	33	0.540	0.56	100KHz,0.1V
TL-HSM43-390K	39	0.587	0.52	100KHz,0.1V
TL-HSM43-470K	47	0.844	0.44	100KHz,0.1V
TL-HSM43-560K	56	0.937	0.42	100KHz,0.1V
TL-HSM43-680K	68	1.117	0.37	100KHz,0.1V
TL-HSM43-820K	82	1.100	0.46	100KHz,0.1V
TL-HSM43-880K	88	1.200	0.30	100KHz,0.1V
TL-HSM43-101K	100	1.500	0.27	100KHz,0.1V
TL-HSM43-121K	120	1.120	0.55	100KHz,0.1V
TL-HSM43-151K	150	1.200	0.45	100KHz,0.1V
TL-HSM43-181K	180	1.550	0.40	100KHz,0.1V
TL-HSM43-221K	220	3.100	0.40	100KHz,0.1V
TL-HSM43-271K	270	3.520	0.35	100KHz,0.1V
TL-HSM43-331K	330	5.720	0.25	100KHz,0.1V
TL-HSM43-471K	470	6.850	0.20	100KHz,0.1V
TL-HSM43-222K	2200	15.800	0.15	100KHz,0.1V
TL-HSM43-302K	3000	28.350	0.10	100KHz,0.1V

Electrical Characteristics
TL-HSM52A Series

Part No.	Inductance (uH)	DCR(Max) (Ω)	IDC(A)(Max) △L=10%	Test Freq
TL-HSM52A-1R0M	1.0	0.05	3.60	100KHz,0.1V
TL-HSM52A-2R2M	2.2	0.07	3.50	100KHz,0.1V
TL-HSM52A-3R3M	3.3	0.10	2.70	100KHz,0.1V
TL-HSM52A-3R9M	3.9	0.12	2.40	100KHz,0.1V
TL-HSM52A-4R7M	4.7	0.14	2.00	100KHz,0.1V
TL-HSM52A-5R6M	5.6	0.15	1.80	100KHz,0.1V
TL-HSM52A-8R2M	8.2	0.17	1.40	100KHz,0.1V
TL-HSM52A-100M	10	0.20	1.30	100KHz,0.1V
TL-HSM52A-120M	12	0.23	1.10	100KHz,0.1V
TL-HSM52A-150M	15	0.25	1.05	100KHz,0.1V
TL-HSM52A-180M	18	0.30	1.00	100KHz,0.1V
TL-HSM52A-220M	22	0.35	0.90	100KHz,0.1V
TL-HSM52A-270M	27	0.40	0.85	100KHz,0.1V
TL-HSM52A-330M	33	0.50	0.75	100KHz,0.1V
TL-HSM52A-390M	39	0.55	0.70	100KHz,0.1V
TL-HSM52A-470M	47	0.65	0.60	100KHz,0.1V
TL-HSM52A-560M	56	0.75	0.55	100KHz,0.1V
TL-HSM52A-680M	68	0.95	0.50	100KHz,0.1V
TL-HSM52A-820M	82	1.20	0.45	100KHz,0.1V
TL-HSM52A-101M	100	1.40	0.40	100KHz,0.1V
TL-HSM52A-121K	120	1.75	0.35	100KHz,0.1V
TL-HSM52A-151K	150	2.00	0.25	100KHz,0.1V
TL-HSM52A-181K	180	2.60	0.22	100KHz,0.1V
TL-HSM52A-221K	220	3.00	2.00	100KHz,0.1V
TL-HSM52A-271K	270	3.70	0.18	100KHz,0.1V

**Electrical Characteristics****TL-HSM52B Series**

Part NO.	Inductance (μ H)	DCR(Max) (Ω)	IDC(A)(Max) $\Delta L=10\%$	Test Freq
TL-HSM52B-1R2M	1.2	0.018	4.20	100KHz,0.1V
TL-HSM52B-1R5M	1.5	0.022	4.00	100KHz,0.1V
TL-HSM52B-1R8M	1.8	0.026	3.70	100KHz,0.1V
TL-HSM52B-2R2M	2.2	0.030	3.50	100KHz,0.1V
TL-HSM52B-2R7M	2.7	0.035	3.20	100KHz,0.1V
TL-HSM52B-3R3M	3.3	0.042	2.70	100KHz,0.1V
TL-HSM52B-3R9M	3.9	0.045	2.40	100KHz,0.1V
TL-HSM52B-4R7M	4.7	0.070	2.00	100KHz,0.1V
TL-HSM52B-5R6M	5.6	0.076	1.80	100KHz,0.1V
TL-HSM52B-6R8M	6.8	0.085	1.50	100KHz,0.1V
TL-HSM52B-100M	10	0.123	1.30	100KHz,0.1V
TL-HSM52B-120M	12	0.152	1.10	100KHz,0.1V
TL-HSM52B-150M	15	0.214	1.05	100KHz,0.1V
TL-HSM52B-180M	18	0.239	1.00	100KHz,0.1V
TL-HSM52B-220K	22	0.265	0.90	100KHz,0.1V
TL-HSM52B-270K	27	0.310	0.85	100KHz,0.1V
TL-HSM52B-330K	33	0.370	0.75	100KHz,0.1V
TL-HSM52B-390K	39	0.490	0.70	100KHz,0.1V
TL-HSM52B-470K	47	0.550	0.60	100KHz,0.1V
TL-HSM52B-560K	56	0.640	0.55	100KHz,0.1V
TL-HSM52B-680K	68	0.720	0.50	100KHz,0.1V
TL-HSM52B-820K	82	0.820	0.45	100KHz,0.1V
TL-HSM52B-100K	100	1.200	0.40	100KHz,0.1V
TL-HSM52B-121K	120	1.390	0.35	100KHz,0.1V
TL-HSM52B-151K	150	1.740	0.25	100KHz,0.1V
TL-HSM52B-181K	180	2.170	0.22	100KHz,0.1V
TL-HSM52B-221K	220	2.500	0.20	100KHz,0.1V
TL-HSM52B-271K	270	3.170	0.18	100KHz,0.1V
TL-HSM52B-331K	330	3.680	0.17	100KHz,0.1V
TL-HSM52B-391K	390	4.740	0.16	100KHz,0.1V
TL-HSM52B-471K	470	5.400	0.15	100KHz,0.1V
TL-HSM52B-122K	1200	18.250	0.10	100KHz,0.1V



Electrical Characteristics

TL-HSM53 Series

Part No.	Inductance (μ H)	DCR(Max) (Ω)	IDC(A)(Max) $\Delta L=10\%$	Test Freq
TL-HSM53-1R0M	1.0	0.015	4.50	100KHz,0.1V
TL-HSM53-1R2M	1.2	0.016	4.20	100KHz,0.1V
TL-HSM53-1R5M	1.5	0.019	4.10	100KHz,0.1V
TL-HSM53-1R8M	1.8	0.024	3.70	100KHz,0.1V
TL-HSM53-2R2M	2.2	0.027	3.50	100KHz,0.1V
TL-HSM53-3R3M	3.3	0.035	2.80	100KHz,0.1V
TL-HSM53-3R9M	3.9	0.040	2.60	100KHz,0.1V
TL-HSM53-4R7M	4.7	0.051	2.50	100KHz,0.1V
TL-HSM53-5R6M	5.6	0.061	2.40	100KHz,0.1V
TL-HSM53-6R8M	6.8	0.067	2.20	100KHz,0.1V
TL-HSM53-8R2M	8.2	0.076	2.00	100KHz,0.1V
TL-HSM53-100M	10	0.115	1.80	100KHz,0.1V
TL-HSM53-120M	12	0.131	1.75	100KHz,0.1V
TL-HSM53-150M	15	0.168	1.60	100KHz,0.1V
TL-HSM53-180M	18	0.168	1.60	100KHz,0.1V
TL-HSM53-220M	22	0.196	1.50	100KHz,0.1V
TL-HSM53-270M	27	0.269	1.40	100KHz,0.1V
TL-HSM53-330M	33	0.290	1.10	100KHz,0.1V
TL-HSM53-390M	39	0.333	1.00	100KHz,0.1V
TL-HSM53-470M	47	0.438	0.90	100KHz,0.1V
TL-HSM53-560M	56	0.496	0.85	100KHz,0.1V
TL-HSM53-680M	68	0.591	0.80	100KHz,0.1V
TL-HSM53-820M	82	0.664	0.65	100KHz,0.1V
TL-HSM53-101M	100	0.886	0.60	100KHz,0.1V
TL-HSM53-121M	120	1.010	0.58	100KHz,0.1V
TL-HSM53-151M	150	1.200	0.43	100KHz,0.1V
TL-HSM53-171M	170	1.350	0.41	100KHz,0.1V
TL-HSM53-181M	180	1.420	0.41	100KHz,0.1V
TL-HSM53-221M	220	1.640	0.38	100KHz,0.1V
TL-HSM53-271M	270	2.500	0.35	100KHz,0.1V
TL-HSM53-331M	330	2.840	0.28	100KHz,0.1V
TL-HSM53-391M	390	3.700	0.26	100KHz,0.1V
TL-HSM53-471M	470	4.250	0.20	100KHz,0.1V
TL-HSM53-682M	680	52.300	0.10	100KHz,0.1V



Electrical Characteristics

TL-HSM54 Series

Part NO.	Inductance (uH)	DCR(Max) (Ω)	IDC(A)(Max) ΔL=10%	Test Freq
TL-HSM54-1R0M	1.0	0.018	3.80	100KHz,0.1V
TL-HSM54-2R2M	2.2	0.030	2.80	100KHz,0.1V
TL-HSM54-3R3M	3.3	0.040	2.50	100KHz,0.1V
TL-HSM54-4R7M	4.7	0.060	2.60	100KHz,0.1V
TL-HSM54-5R6M	5.6	0.070	2.40	100KHz,0.1V
TL-HSM54-100M	10	0.100	1.44	100KHz,0.1V
TL-HSM54-120M	12	0.120	1.40	100KHz,0.1V
TL-HSM54-150M	15	0.140	1.30	100KHz,0.1V
TL-HSM54-180M	18	0.150	1.23	100KHz,0.1V
TL-HSM54-220M	22	0.180	1.11	100KHz,0.1V
TL-HSM54-270M	27	0.200	0.97	100KHz,0.1V
TL-HSM54-330K	33	0.230	0.88	100KHz,0.1V
TL-HSM54-390K	39	0.320	0.80	100KHz,0.1V
TL-HSM54-470K	47	0.370	0.72	100KHz,0.1V
TL-HSM54-510K	51	0.240	0.68	100KHz,0.1V
TL-HSM54-560K	56	0.420	0.68	100KHz,0.1V
TL-HSM54-680K	68	0.460	0.61	100KHz,0.1V
TL-HSM54-820K	82	0.600	0.58	100KHz,0.1V
TL-HSM54-101K	100	0.700	0.52	100KHz,0.1V
TL-HSM54-121K	120	0.930	0.48	100KHz,0.1V
TL-HSM54-151K	150	1.100	0.40	100KHz,0.1V
TL-HSM54-181K	180	1.380	0.38	100KHz,0.1V
TL-HSM54-221K	220	1.570	0.35	100KHz,0.1V
TL-HSM54-331K	330	2.370	0.30	100KHz,0.1V
TL-HSM54-471K	470	2.500	0.27	100KHz,0.1V
TL-HSM54-511K	510	3.750	0.20	100KHz,0.1V
TL-HSM54-102K	1000	7.050	0.20	100KHz,0.1V
FX-HSM54-821K	820	5.240	0.25	100KHz,0.1V

Electrical Characteristics
TL-HSM73 Series

Part NO.	Inductance (uH)	DCR(Max) (Ω)	IDC(A)(Max) △L=10%	Test Freq
TL-HSM73-100M	10	0.0803	1.44	100KHz,0.1V
TL-HSM73-120M	12	0.0897	1.39	100KHz,0.1V
TL-HSM73-150M	15	0.1040	1.24	100KHz,0.1V
TL-HSM73-180M	18	0.1110	1.12	100KHz,0.1V
TL-HSM73-220M	22	0.1290	1.07	100KHz,0.1V
TL-HSM73-270M	27	0.1530	0.94	100KHz,0.1V
TL-HSM73-330M	33	0.1700	0.85	100KHz,0.1V
TL-HSM73-390M	39	0.2170	0.74	100KHz,0.1V
TL-HSM73-470M	47	0.2520	0.68	100KHz,0.1V
TL-HSM73-560K	56	0.2820	0.64	100KHz,0.1V
TL-HSM73-680K	68	0.3320	0.59	100KHz,0.1V
TL-HSM73-820K	82	0.4060	0.54	100KHz,0.1V
TL-HSM73-101K	100	0.4810	0.51	100KHz,0.1V
TL-HSM73-121K	120	0.5360	0.49	100KHz,0.1V
TL-HSM73-151K	150	0.7550	0.40	100KHz,0.1V
TL-HSM73-181K	180	1.0220	0.36	100KHz,0.1V
TL-HSM73-221K	220	1.2000	0.31	100KHz,0.1V
TL-HSM73-271K	270	1.3060	0.29	100KHz,0.1V
TL-HSM73-331K	330	1.4950	0.28	100KHz,0.1V
TL-HSM73-471K	470	1.5000	0.20	100KHz,0.1V
TL-HSM73-102K	1000	8.3000	0.10	100KHz,0.1V
TL-HSM73-4R7M	4.7	8.0000	4.50	100KHz,0.1V



Electrical Characteristics

FX-HSM75 Series

Part NO.	Inductance (uH)	DCR(Max) (Ω)	IDC(A)(Max) △L=10%	Test Freq
TL-HSM75-100M	10	0.0700	2.30	100KHz,0.1V
TL-HSM75-120M	12	0.0800	2.00	100KHz,0.1V
TL-HSM75-150M	15	0.0900	1.80	100KHz,0.1V
TL-HSM75-180M	18	0.1000	1.60	100KHz,0.1V
TL-HSM75-220M	22	0.1100	1.50	100KHz,0.1V
TL-HSM75-270M	27	0.1200	1.30	100KHz,0.1V
TL-HSM75-330M	33	0.1300	1.20	100KHz,0.1V
TL-HSM75-390M	39	0.1600	1.10	100KHz,0.1V
TL-HSM75-470M	47	0.1800	1.10	100KHz,0.1V
TL-HSM75-560M	56	0.2400	0.94	100KHz,0.1V
TL-HSM75-680M	68	0.2800	0.85	100KHz,0.1V
TL-HSM75-820M	82	0.3700	0.78	100KHz,0.1V
TL-HSM75-101K	100	0.4300	0.72	100KHz,0.1V
TL-HSM75-121K	120	0.4700	0.66	100KHz,0.1V
TL-HSM75-151K	150	0.6400	0.58	100KHz,0.1V
TL-HSM75-181K	180	0.7100	0.51	100KHz,0.1V
TL-HSM75-221K	220	0.9600	0.49	100KHz,0.1V
TL-HSM75-271K	270	1.1100	0.42	100KHz,0.1V
TL-HSM75-331K	330	1.2600	0.40	100KHz,0.1V
TL-HSM75-391K	390	1.7700	0.36	100KHz,0.1V
TL-HSM75-471K	470	1.9600	0.34	100KHz,0.1V
TL-HSM75-1R0M	1.0	0.0330	0.50	100KHz,0.1V
TL-HSM75-4R7M	4.7	0.0390	0.60	100KHz,0.1V
TL-HSM75-201K	200	0.6280	0.70	100KHz,0.1V
TL-HSM75-261K	260	0.9000	0.70	100KHz,0.1V
TL-HSM75-102K	1000	2.8540	0.25	100KHz,0.1V
TL-HSM75-122K	1200	4.3100	0.30	100KHz,0.1V
TL-HSM75-152K	1500	6.5400	0.25	100KHz,0.1V
TL-HSM75-202K	2000	13.5200	0.20	100KHz,0.1V
TL-HSM75-602K	6000	17.4500	0.10	100KHz,0.1V
TL-HSM75-113K	11000	30.8500	0.10	100KHz,0.1V
TL-HSM75-3R0M	3.0	0.0150	5.00	100KHz,0.1V
TL-HSM75-6R2M	6.2	0.0500	4.50	100KHz,0.1V

Electrical Characteristics
TL-HSM104 Series

Part NO.	Inductance (μ H)	DCR(Max) (Ω)	IDC(A)(Max) $\Delta L=10\%$	Test Freq
TL-HSM104-100M	10	0.0530	2.38	100KHz,0.1V
TL-HSM104-120M	12	0.0610	2.13	100KHz,0.1V
TL-HSM104-150M	15	0.0700	1.87	100KHz,0.1V
TL-HSM104-180M	18	0.0810	1.73	100KHz,0.1V
TL-HSM104-220M	22	0.0880	1.60	100KHz,0.1V
TL-HSM104-270M	27	0.1000	1.44	100KHz,0.1V
TL-HSM104-330M	33	0.1200	1.26	100KHz,0.1V
TL-HSM104-390M	39	0.1510	1.20	100KHz,0.1V
TL-HSM104-470M	47	0.1700	1.10	100KHz,0.1V
TL-HSM104-560K	56	0.1990	1.01	100KHz,0.1V
TL-HSM104-680K	68	0.2230	0.91	100KHz,0.1V
TL-HSM104-820K	82	0.2520	0.85	100KHz,0.1V
TL-HSM104-101K	100	0.3440	0.74	100KHz,0.1V
TL-HSM104-121K	120	0.3960	0.69	100KHz,0.1V
TL-HSM104-151K	150	0.5440	0.61	100KHz,0.1V
TL-HSM104-181K	180	0.6210	0.56	100KHz,0.1V
TL-HSM104-221K	220	0.7210	0.53	100KHz,0.1V
TL-HSM104-271K	270	0.9490	0.45	100KHz,0.1V
TL-HSM104-331K	330	1.1000	0.42	100KHz,0.1V
TL-HSM104-391K	390	1.2450	0.38	100KHz,0.1V
TL-HSM104-471K	470	1.5260	0.35	100KHz,0.1V
TL-HSM104-561K	560	1.9040	0.32	100KHz,0.1V
TL-HSM104-821K	820	1.5200	0.25	100KHz,0.1V
TL-HSM104-333K	33000	4.5300	0.15	100KHz,0.1V

Electrical Characteristics
TL-HSM105 Series

Part NO.	Inductance (uH)	DCR(Max) (Ω)	IDC(A)(Max) △L=10%	Test Freq
TL-HSM105-100M	10	0.0600	2.60	100KHz,0.1V
TL-HSM105-120M	12	0.0700	2.45	100KHz,0.1V
TL-HSM105-150M	15	0.0800	2.27	100KHz,0.1V
TL-HSM105-180M	18	0.0900	2.15	100KHz,0.1V
TL-HSM105-220M	22	0.1000	1.95	100KHz,0.1V
TL-HSM105-270M	27	0.1100	1.76	100KHz,0.1V
TL-HSM105-330M	33	0.1200	1.50	100KHz,0.1V
TL-HSM105-390M	39	0.1400	1.37	100KHz,0.1V
TL-HSM105-470M	47	0.1700	1.28	100KHz,0.1V
TL-HSM105-560M	56	0.1900	1.17	100KHz,0.1V
TL-HSM105-680M	68	0.2200	1.11	100KHz,0.1V
TL-HSM105-820M	82	0.2500	1.00	100KHz,0.1V
TL-HSM105-101M	100	0.3500	0.97	100KHz,0.1V
TL-HSM105-121M	120	0.4000	0.89	100KHz,0.1V
TL-HSM105-151M	150	0.4700	0.78	100KHz,0.1V
TL-HSM105-181M	180	0.6300	0.72	100KHz,0.1V
TL-HSM105-221M	220	0.7300	0.66	100KHz,0.1V
TL-HSM105-271K	270	0.9700	0.57	100KHz,0.1V
TL-HSM105-331K	330	1.1500	0.52	100KHz,0.1V
TL-HSM105-391K	390	1.3000	0.48	100KHz,0.1V
TL-HSM105-471K	470	1.4800	0.42	100KHz,0.1V
TL-HSM105-561K	560	1.9000	0.33	100KHz,0.1V
TL-HSM105-681K	680	2.2500	0.28	100KHz,0.1V
TL-HSM105-821K	820	2.5500	0.24	100KHz,0.1V
TL-HSM105-1R2M	1.2	2.5200	7.50	100KHz,0.1V
TL-HSM105-2R2M	2.2	3.1500	5.50	100KHz,0.1V
TL-HSM105-4R7M	4.7	5.1200	3.15	100KHz,0.1V
TL-HSM105-102K	1000	5.2000	2.50	100KHz,0.1V
TL-HSM105-472K	4700	8.3000	2.00	100KHz,0.1V
TL-HSM105-113K	11000	10.2000	1.50	100KHz,0.1V
TL-HSM105-1R0N	1.0	1.9000	4.00	100KHz,0.1V
TL-HSM105-103K	10000	10.1000	2.00	100KHz,0.1V
TL-HSM105-332K	3300	8.3500	2.50	100KHz,0.1V

Electrical Characteristics
TL-HSM106 Series

Part NO.	Inductance (μ H)	DCR(Max) (Ω)	IDC(A)(Max) $\Delta L=10\%$	Test Freq
TL-HSM106-100M	10	0.106	4.50	100KHz,0.1V
TL-HSM106-120M	12	0.113	4.50	100KHz,0.1V
TL-HSM106-150M	15	0.138	4.50	100KHz,0.1V
TL-HSM106-180M	18	0.172	4.50	100KHz,0.1V
TL-HSM106-220M	22	0.175	4.20	100KHz,0.1V
TL-HSM106-270M	27	0.180	4.20	100KHz,0.1V
TL-HSM106-330M	33	0.185	4.00	100KHz,0.1V
TL-HSM106-390M	39	1.196	3.80	100KHz,0.1V
TL-HSM106-470M	47	0.200	3.80	100KHz,0.1V
TL-HSM106-560M	56	0.204	3.50	100KHz,0.1V
TL-HSM106-680M	68	0.205	3.70	100KHz,0.1V
TL-HSM106-820K	82	0.206	2.60	100KHz,0.1V
TL-HSM106-101K	100	0.225	3.60	100KHz,0.1V
TL-HSM106-121K	120	0.246	0.89	100KHz,0.1V
TL-HSM106-151K	150	0.301	0.78	100KHz,0.1V
TL-HSM106-181K	180	0.333	0.72	100KHz,0.1V
TL-HSM106-221K	22	0.418	0.66	100KHz,0.1V
TL-HSM106-271K	270	0.563	0.57	100KHz,0.1V
TL-HSM106-331K	330	0.646	0.52	100KHz,0.1V
TL-HSM106-391K	390	0.745	0.48	100KHz,0.1V
TL-HSM106-471K	470	0.876	0.42	100KHz,0.1V
TL-HSM106-561K	560	1.108	0.33	100KHz,0.1V
TL-HSM106-681K	680	1.275	0.28	100KHz,0.1V
TL-HSM106-821K	820	1.472	0.22	100KHz,0.1V



Electrical Characteristics

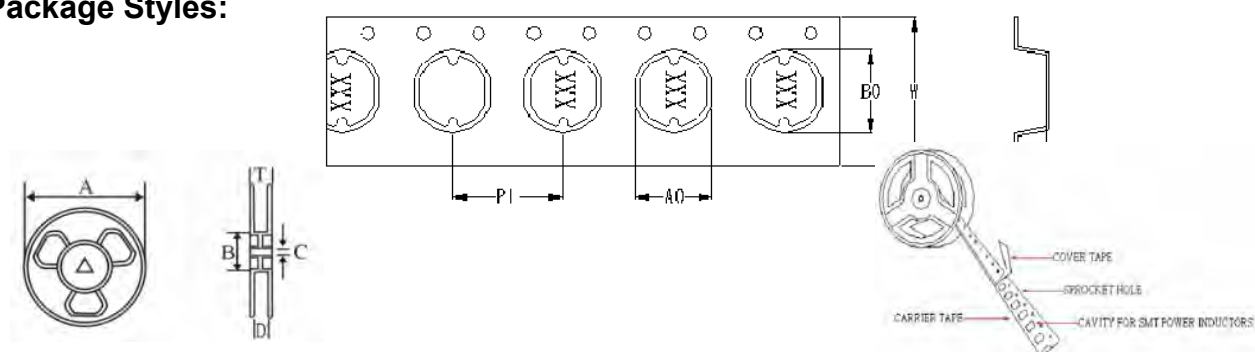
TL-HSM108 Series

Part NO.	Inductance (uH)	DCR(Max) (Ω)	IDC(A)(Max) △L=10%	Test Freq
TL-HSM108-100M	10	0.050	7.00	100KHz,0.1V
TL-HSM108-120M	12	0.050	7.00	100KHz,0.1V
TL-HSM108-150M	15	0.140	5.20	100KHz,0.1V
TL-HSM108-180M	18	0.170	5.20	100KHz,0.1V
TL-HSM108-220M	22	0.175	5.00	100KHz,0.1V
TL-HSM108-270M	27	0.176	4.50	100KHz,0.1V
TL-HSM108-330M	33	0.186	4.10	100KHz,0.1V
TL-HSM108-390M	39	0.190	3.80	100KHz,0.1V
TL-HSM108-470M	47	0.200	3.50	100KHz,0.1V
TL-HSM108-560M	56	0.220	3.00	100KHz,0.1V
TL-HSM108-680M	68	0.230	2.30	100KHz,0.1V
TL-HSM108-820M	82	0.250	2.00	100KHz,0.1V
TL-HSM108-101K	100	0.280	1.80	100KHz,0.1V
TL-HSM108-121K	120	0.300	1.70	100KHz,0.1V
TL-HSM108-151K	150	0.450	1.50	100KHz,0.1V
TL-HSM108-181K	180	0.560	1.40	100KHz,0.1V
TL-HSM108-221K	220	0.580	1.00	100KHz,0.1V
TL-HSM108-271K	270	0.680	0.90	100KHz,0.1V
TL-HSM108-331K	330	0.730	0.90	100KHz,0.1V
TL-HSM108-391K	390	0.850	0.80	100KHz,0.1V
TL-HSM108-471K	470	0.950	0.60	100KHz,0.1V
TL-HSM108-561K	560	1.060	0.40	100KHz,0.1V
TL-HSM108-681K	680	1.150	0.30	100KHz,0.1V
TL-HSM108-821K	820	1.200	0.20	100KHz,0.1V

Power Inductors

FX-HSM Series

Package Styles:



Reel&Packing (Unit:mm)(Tolerance ± 0.5)

Part NO.	Dimensions of Reel					Packing Quantity(K)
	A	B	C	D	T	
FX-HSM31A	338.8	102.8	8.4	11.8	16	3
FX-HSM31B	340.5	105.5	10.2	11.9	16.8	3
FX-HSM32	330.4	103.6	13.3	12.3	16.5	3
FX-HSM42	328.5	106.5	12.6	13	16.8	3
FX-HSM43	325.4	132.3	12.6	12	17	2
FX-HSM52	342.7	135.5	12.8	12.5	16.5	3
FX-HSM53	396.5	142	12.7	12.5	15.8	2
FX-HSM54	394.5	133.7	13.7	12.5	16	1.5
FX-HSM73	395.6	173.7	13.7	15.2	20	1
FX-HSM75	347.5	168.4	13.8	15.8	20.5	1
FX-HSM104	344.7	170.9	13.5	24.5	28	1
FX-HSM105	412	103.5	13.5	24	27.7	1
FX-HSM106	416	113.5	15.5	24.9	29.7	0.5
FX-HSM108	422	106.5	15.5	25.6	31.7	0.5

Carrier Tape Dimensions

Part NO.	P1	A0	B0	W	K0	Packing Quantity(K)
FX-HSM31A	7.4	3.6	4.0	12.0	1.8	3
FX-HSM31B	7.4	3.6	4.0	12.0	1.8	3
FX-HSM32	10.2	4.0	3.0	12.0	2.4	3
FX-HSM42	9.4	4.5	4.5	12.3	2.2	3
FX-HSM43	8.1	4.6	5.0	12.3	2.5	2
FX-HSM52	8.1	5.3	5.5	12.1	3.3	3
FX-HSM53	8.5	5.4	6.0	12.3	3.8	2
FX-HSM54	7.5	6.0	6.4	12.0	4.0	1.5
FX-HSM73	12.5	8.2	8.3	16.0	3.5	1
FX-HSM75	11.7	12.8	8.5	16.0	5.0	1
FX-HSM104	12.4	10.5	10.6	23.7	3.7	1
FX-HSM105	13.0	10.8	10.2	24.0	5.5	1
FX-HSM106	17.5	9.5	10.5	27.5	7.0	0.5
FX-HSM108	17.8	9.6	10.6	28.0	9.2	0.5