SLM Series

DIP Power Inductors

APPLICATIONS

- Televisions, VCRs and PC
- DC-DC converters and other electronic equipments

FEATURES

- Halogen Free Products
- Unshield Construction
- DIP Drum Inductor

PRODUCT IDENTIFICATION

SLM □□□□ - □□□□ - □ - □□

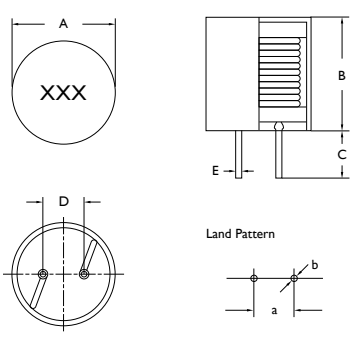
- Internal No.
- Vertical / Horizontal
- Tolerance
- Inductance
- Dimensions
- Product Symbol

■ Tolerance: J = ±5%, K = ±10%, L = ±15%, M = ±20%, P = ±25%, N = ±30%, Y = min

■ Internal No.: HF = Halogen Free

SHAPES AND DIMENSIONS

Unit: mm



TYPE	A	B	C	D	E
SLM0709	7.7	9.5	5.0 ± 1.0	3.5	ø 0.60 ± 0.05
SLM0808	8.5 ± 0.3	8.3 ± 0.5	5.0 ± 1.0	5 +0.8/-0.5	ø 0.60 ± 0.05
SLM1112	11.2 ± 0.3	12.2 ± 0.3	5.0 ± 1.0	5 +1.0/-0.5	ø 0.65 ± 0.05

ELECTRICAL CHARACTERISTICS SLM0709

PART NO.	INDUCTANCE (µH)	TOLERANCE (±%)	DC RESISTANCE (Ω) Max.	NOMINAL CURRENT (A) Max.
SLM0709-1R0M-☐-HF	1.00	20.0	0.006	6.60
SLM0709-1R5M-☐-HF	1.50	20.0	0.008	5.40
SLM0709-2R2M-☐-HF	2.20	20.0	0.011	4.00
SLM0709-3R3M-☐-HF	3.30	20.0	0.018	3.60
SLM0709-4R7M-☐-HF	4.70	20.0	0.022	3.10
SLM0709-6R8M-☐-HF	6.80	20.0	0.028	2.50
SLM0709-100K-☐-HF	10.0	10.0	0.043	2.10
SLM0709-150K-☐-HF	15.0	10.0	0.056	1.70
SLM0709-220K-☐-HF	22.0	10.0	0.086	1.40
SLM0709-330K-☐-HF	33.0	10.0	0.140	1.10
SLM0709-470K-☐-HF	47.0	10.0	0.170	0.96
SLM0709-680K-☐-HF	68.0	10.0	0.280	0.79
SLM0709-101K-☐-HF	100	10.0	0.330	0.66
SLM0709-151K-☐-HF	150	10.0	0.560	0.53
SLM0709-221K-☐-HF	220	10.0	0.720	0.44
SLM0709-331K-☐-HF	330	10.0	1.100	0.36
SLM0709-471K-☐-HF	470	10.0	1.700	0.30
SLM0709-681K-☐-HF	680	10.0	2.300	0.25
SLM0709-102K-☐-HF	1,000	10.0	4.300	0.20
SLM0709-152K-☐-HF	1,500	10.0	5.000	0.17

Note:
Inductance test frequency at 1 KHz
Isat: DC current at which the inductance drops 10% from its value without current
Irms: The actual current when temperature of coil becomes $\Delta T = 25\ ^{\circ}C$

ELECTRICAL CHARACTERISTICS SLM0808

PART NO.	INDUCTANCE (µH)	TOLERANCE (±%)	Q Min.	TEST FREQUENCY L/Q (MHz) Min.	DC RESISTANCE (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SLM0808-3R3M-☐-HF	3.30	20.0	10	1K / 7.96M	0.017	4.50	3.80
SLM0808-4R7M-☐-HF	4.70	20.0	10	1K / 7.96M	0.021	3.80	3.50
SLM0808-6R8M-☐-HF	6.80	20.0	10	1K / 7.96M	0.025	3.20	3.10
SLM0808-100K-☐-HF	10.0	10.0	20	1K / 2.52M	0.031	2.60	2.70
SLM0808-150K-☐-HF	15.0	10.0	20	1K / 2.52M	0.042	2.10	2.40
SLM0808-220K-☐-HF	22.0	10.0	20	1K / 2.52M	0.070	1.70	1.90
SLM0808-330K-☐-HF	33.0	10.0	20	1K / 2.52M	0.092	1.40	1.50
SLM0808-470K-☐-HF	47.0	10.0	20	1K / 2.52M	0.130	1.20	1.30
SLM0808-680K-☐-HF	68.0	10.0	20	1K / 2.52M	0.160	1.00	1.10
SLM0808-101K-☐-HF	100	10.0	20	1K / 796K	0.250	0.80	0.94
SLM0808-151K-☐-HF	150	10.0	20	1K / 796K	0.400	0.67	0.73
SLM0808-221K-☐-HF	220	10.0	15	1K / 796K	0.530	0.54	0.64
SLM0808-331K-☐-HF	330	10.0	15	1K / 796K	0.780	0.45	0.52
SLM0808-471K-☐-HF	470	10.0	15	1K / 796K	1.000	0.38	0.46
SLM0808-681K-☐-HF	680	10.0	15	1K / 796K	1.500	0.32	0.37
SLM0808-102K-☐-HF	1,000	10.0	30	1K / 252K	2.200	0.26	0.30
SLM0808-152K-☐-HF	1,500	10.0	30	1K / 252K	3.500	0.21	0.25

Note:
Inductance test frequency at 1 KHz
Isat: DC current at which the inductance drops 10% from its value without current
Irms: The actual current when temperature of coil becomes $\Delta T = 25\ ^{\circ}C$

ELECTRICAL CHARACTERISTICS SLM1112

PART NO.	INDUCTANCE (µH)	TOLERANCE (±%)	Q Min.	TEST FREQUENCY L/Q (MHz) Min.	DC RESISTANCE (Ω) Max.	Isat (A) Max.	Irms (A) Max.
SLM1112-1R0M-☐-HF	1.00	20.0	15	1K / 7.96M	0.058	14.0	7.70
SLM1112-2R2M-☐-HF	2.20	20.0	15	1K / 7.96M	0.073	10.0	6.70
SLM1112-3R3M-☐-HF	3.30	20.0	10	1K / 7.96M	0.010	8.80	5.90
SLM1112-4R7M-☐-HF	4.70	20.0	10	1K / 7.96M	0.015	7.20	4.80
SLM1112-6R8M-☐-HF	6.80	20.0	10	1K / 7.96M	0.016	6.10	4.60
SLM1112-100M-☐-HF	10.0	20.0	20	1K / 2.52M	0.025	5.00	3.70
SLM1112-150M-☐-HF	15.0	20.0	20	1K / 2.52M	0.029	4.20	3.40
SLM1112-220K-☐-HF	22.0	10.0	20	1K / 2.52M	0.040	3.40	2.90
SLM1112-330K-☐-HF	33.0	10.0	30	1K / 2.52M	0.062	2.80	2.30
SLM1112-470K-☐-HF	47.0	10.0	30	1K / 2.52M	0.075	2.30	2.10
SLM1112-680K-☐-HF	68.0	10.0	20	1K / 2.52M	0.130	1.90	1.60
SLM1112-101K-☐-HF	100	10.0	20	1K / 796K	0.160	1.60	1.40
SLM1112-151K-☐-HF	150	10.0	20	1K / 796K	0.260	1.30	1.10
SLM1112-221K-☐-HF	220	10.0	20	1K / 796K	0.330	1.10	1.00
SLM1112-331K-☐-HF	330	10.0	20	1K / 796K	0.520	0.88	0.82
SLM1112-471K-☐-HF	470	10.0	10	1K / 796K	0.660	0.75	0.72
SLM1112-681K-☐-HF	680	10.0	10	1K / 796K	1.100	0.61	0.56
SLM1112-102J-☐-HF	1,000	5.0	20	1K / 796K	1.400	0.51	0.50
SLM1112-152J-☐-HF	1,500	5.0	30	1K / 252K	2.400	0.43	0.38
SLM1112-222J-☐-HF	2,200	5.0	20	1K / 252K	3.200	0.35	0.33
SLM1112-332J-☐-HF	3,300	5.0	30	1K / 252K	4.900	0.28	0.26
SLM1112-472J-☐-HF	4,700	5.0	30	1K / 252K	7.600	0.24	0.21
SLM1112-682J-☐-HF	6,800	5.0	30	1K / 252K	0.450	9.8	0.20
SLM1112-103J-☐-HF	10,000	5.0	30	1K / 79.6K	0.380	18	0.17
SLM1112-153J-☐-HF	15,000	5.0	50	1K / 79.6K	0.290	24	0.13

Note:
Inductance test frequency at 1 KHz
Isat: DC current at which the inductance drops 10% from its value without current
Irms: The actual current when temperature of coil becomes $\Delta T = 25\ ^{\circ}C$