

# SMD Power Inductor

## Fixed Inductor for Surface Mounting

## SPL12060-00Z/NA Series

### Construction

- Ni Ferrite core
- Shielded construction



### Features

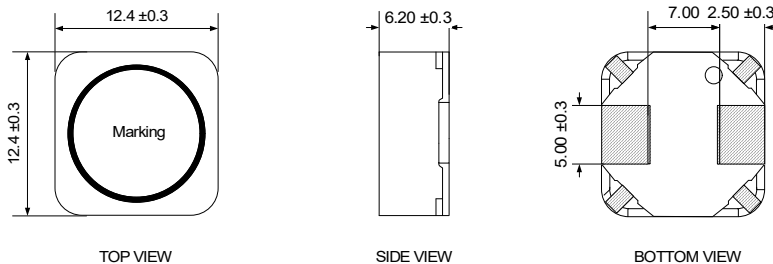
- Qualified to AEC-Q200
- Operating temperature -50 ~ +155°C (Including self temperature)
- Solder reflow temperature 260°C peak
- Low buzz noise
- High saturation current
- Suitable for lead-free reflow soldering



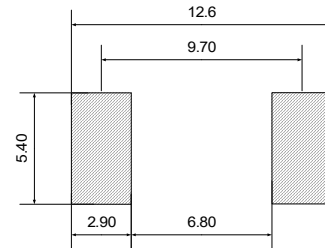
### Applications

- Automotive / Noise filtering and filter chokes
- DC/DC converters
- Portable gaming devices / personal navigation systems
- multimedia devices
- Portable and devices

### Dimensions (Unit:mm)



### Recommended Land Pattern (Unit:mm)



### Electrical Characteristics

Ordering code	Inductance(uH)	DCR(mΩ,±30%)	Isat*1(A,TYP)	Isat*1(A,MAX)	Irms*2(A,Max)	Marking
SPL12060-1R0N-00NA	1.00±30%	11.0	23.0	20.0	9.50	1R0
SPL12060-1R0N-00ZA	1.00±30%	4.50	25.0	24.0	13.0	1R0
SPL12060-1R5N-00ZA	1.50±30%	5.50	19.0	18.0	12.0	1R5
SPL12060-1R8N-00NA	1.80±30%	13.5	17.9	15.5	7.50	1R8
SPL12060-2R2N-00NA	2.20±30%	15.0	15.0	13.5	7.30	2R2

#### ※Test Equipment

\*Inductance : MICROTTEST 6632 (100kHz, 1.0V)

\*DCR Meter : ABM3245 (20mΩ~2MΩ)

\*Bias Current : MICROTTEST 6632 + 6240

\*Specifications subject to change without notice. Please check our website for latest information.

#### \*Notes

\*1.Isat : DC current (A) that will cause L0 to drop approximately 30%

\*2.Irms : DC current (A) that will cause an approximate ΔT of 40°C

Revised 05/03/26

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SPL12060-2R2N-00ZA	2.20±30%	6.50	16.0	14.5	12.0	2R2
SPL12060-3R3N-00ZA	3.30±30%	8.00	13.5	12.0	9.00	3R3
SPL12060-3R6N-00NA	3.60±30%	16.5	12.6	11.0	6.80	3R6
SPL12060-4R7M-00NA	4.70±20%	18.5	11.0	8.50	6.60	4R7
SPL12060-4R7M-00ZA	4.70±20%	10.5	12.5	11.0	8.50	4R7
SPL12060-5R6M-00NA	5.60±20%	20.5	10.0	8.00	6.30	5R6
SPL12060-5R6M-00ZA	5.60±20%	12.0	10.5	9.50	8.00	5R6
SPL12060-6R8M-00NA	6.80±20%	23.0	9.10	7.80	6.00	6R8
SPL12060-6R8M-00ZA	6.80±20%	16.0	9.50	8.50	7.50	6R8
SPL12060-8R2M-00NA	8.20±20%	24.5	8.30	7.20	5.70	8R2
SPL12060-8R2M-00ZA	8.20±20%	18.0	8.50	7.50	7.00	8R2
SPL12060-100M-00NA	10.0±20%	27.0	7.30	6.30	5.60	100
SPL12060-100M-00ZA	10.0±20%	22.0	7.50	6.80	6.00	100
SPL12060-150M-00NA	15.0±20%	31.5	6.00	5.50	5.20	150
SPL12060-150M-00ZA	15.0±20%	31.0	6.30	5.90	5.50	150
SPL12060-180M-00NA	18.0±20%	33.0	5.70	5.20	5.00	180
SPL12060-220M-00NA	22.0±20%	38.0	5.30	4.80	4.50	220
SPL12060-330M-00NA	33.0±20%	60.0	4.30	3.80	3.70	330
SPL12060-470M-00NA	47.0±20%	80.0	3.80	3.40	3.30	470
SPL12060-560M-00NA	56.0±20%	101.0	3.30	2.90	2.80	560
SPL12060-680M-00NA	68.0±20%	120.0	3.10	2.80	2.70	680
SPL12060-820M-00NA	82.0±20%	136.0	2.70	2.45	2.30	820
SPL12060-101M-00NA	100.0±20%	177.0	2.40	2.20	2.10	101
SPL12060-151M-00NA	150.0±20%	251.0	2.00	1.80	1.70	151
SPL12060-181M-00NA	180.0±20%	306.0	1.80	1.65	1.60	181

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SPL12060-221M-00NA	220.0±20%	345.0	1.60	1.45	1.40	221
SPL12060-331M-00NA	330.0±20%	507.0	1.30	1.20	1.15	331
SPL12060-471M-00NA	470.0±20%	767.0	1.10	0.95	0.90	471
SPL12060-561M-00NA	560.0±20%	940.0	1.00	0.90	0.80	561
SPL12060-681M-00NA	680.0±20%	1.18Ω	0.90	0.80	0.70	681
SPL12060-821M-00NA	820.0±20%	1.33Ω	0.85	0.70	0.65	821
SPL12060-102M-00NA	1.00mH±20%	1.87Ω	0.75	0.67	0.60	102

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