SMD Power Inductor

Fixed Inductor for Surface Mounting — SPL12060-00Y/MA Series

Construction

- Ni Ferrite core
- Shielded construction

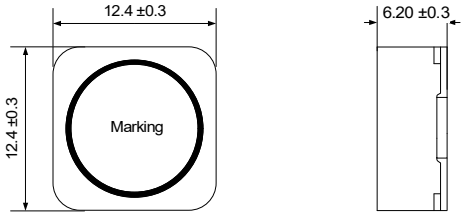
Features

- 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

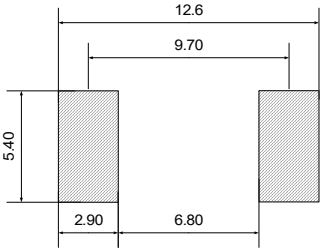
- Automotive / Noise filtering and filter chokes
- DC/DC converters
- Portable gaming devices / personal navigation systems
- multimedia devices
- Portable and devices

Dimensions (Unit:mm)



TOP VIEW　　SIDE VIEW　　BOTTOM VIEW

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-00MA	1.00±30%	12.0	33.0	27.0	9.50	1R0
SPL12060-1R0N-00YA	1.00±30%	6.00	36.0	29.5	13.0	1R0
SPL12060-1R5N-00MA	1.50±30%	13.5	28.3	23.0	8.00	1R5
SPL12060-1R5N-00YA	1.50±30%	6.70	28.5	23.5	12.5	1R5
SPL12060-2R2N-00MA	2.20±30%	15.2	22.3	18.5	7.50	2R2

※Test Equipment

*Inductance : MICROTEST 6632 (100kHz, 1.0V)

*DCR Meter : ABM3245 (20mΩ~2MΩ)

*Bias Current : MICROTEST 6632 + 6240

***Notes**

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

*2.Irms : DC current (A) that will cause an approximate △T of 40℃

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

Revised 12/02/26

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SPL12060-2R2N-00YA	2.20±30%	8.00	23.5	19.5	12.0	2R2
SPL12060-3R3N-00MA	3.30±30%	17.0	19.3	16.0	7.00	3R3
SPL12060-3R3N-00YA	3.30±30%	9.20	20.0	17.0	9.00	3R3
SPL12060-4R7M-00MA	4.70±20%	19.0	17.0	14.0	6.60	4R7
SPL12060-4R7M-00YA	4.70±20%	10.0	17.5	15.0	8.50	4R7
SPL12060-5R6M-00MA	5.60±20%	20.7	14.9	12.5	6.30	5R6
SPL12060-5R6M-00YA	5.60±20%	12.8	15.7	13.0	8.00	5R6
SPL12060-6R8M-00MA	6.80±20%	22.5	13.0	11.0	6.10	6R8
SPL12060-6R8M-00YA	6.80±20%	17.0	13.3	11.3	7.50	6R8
SPL12060-8R2M-00MA	8.20±20%	25.0	12.2	10.2	5.90	8R2
SPL12060-8R2N-00YA	8.20±20%	19.0	12.4	10.5	7.00	8R2
SPL12060-100M-00MA	10.0±20%	27.0	11.1	9.10	5.70	100
SPL12060-100M-00YA	10.0±20%	23.0	11.3	9.50	6.50	100
SPL12060-150M-00MA	15.0±20%	34.0	8.80	7.10	5.30	150
SPL12060-150M-00YA	15.0±20%	31.5	9.00	8.00	5.50	150
SPL12060-180M-00MA	18.0±20%	36.0	8.50	6.90	5.00	180
SPL12060-220M-00MA	18.0±20%	40.1	7.50	6.10	4.70	220
SPL12060-330M-00MA	33.0±20%	61.0	6.15	5.00	3.80	330
SPL12060-470M-00MA	47.0±20%	80.1	5.25	4.30	3.50	470
SPL12060-560M-00MA	56.0±20%	103.0	4.75	3.90	3.00	560
SPL12060-680M-00MA	68.0±20%	120.0	4.45	3.70	2.80	680
SPL12060-820M-00MA	82.0±20%	137.0	3.95	3.20	2.60	820
SPL12060-101M-00MA	100.0±20%	180.0	3.50	2.90	2.20	101
SPL12060-151M-00MA	150.0±20%	250.0	2.95	2.40	1.90	151
SPL12060-181M-00MA	180.0±20%	308.0	2.70	2.20	1.60	181

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SPL12060-221M-00MA	220.0±20%	345.0	2.45	2.00	1.50	221
SPL12060-331M-00MA	330.0±20%	505.0	2.02	1.65	1.30	331
SPL12060-471M-00MA	470.0±20%	770.0	1.67	1.35	1.00	471
SPL12060-561M-00MA	560.0±20%	930.0	1.53	1.25	0.95	561
SPL12060-681M-00MA	680.0±20%	1.17Ω	1.36	1.10	0.90	681
SPL12060-821M-00MA	820.0±20%	1.32Ω	1.22	1.00	0.80	821
SPL12060-102M-00MA	1.00mH±20%	1.79Ω	1.15	0.95	0.75	102

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