1. Part No. Expression:

<u>SDL1108P</u>-<u>1R0MF</u>-<u>DD</u>

(a) (b) (c) (d) (e) (f)

- (a) Series Code
- (b) Dimension Code
- (c) Inductance Code

- (d) Tolerance Code
- (e) Standard Part
- (f) RoHS Compliant

2. Configuration & Dimensions :



	Unit: mm
Α	11.70 Max.
в	11.70 Max.
С	3.5±0.5
D	8.5 Max.
L	12.5
Н	12.5

Unit: mm

Part No.	G	I	J	к	е	E	F
SDL1108P-R30MF	5.7±0.5	6.3±0.5	2.1	1.8	1.8	8.5 Ref.	Ø1.5±0.1
SDL1108P-R47MF	5.7±0.5	6.3±0.5	2.1	1.8	1.8	8.5 Ref.	Ø1.5±0.1
SDL1108P-R60MF	5.7±0.5	6.3±0.5	2.1	1.8	1.8	8.5 Ref.	Ø1.5±0.1
SDL1108P-R80MF	6.4±0.5	6.3±0.5	1.9	1.6	1.6	9.0 Ref.	Ø1.3±0.1
SDL1108P-1R0MF	6.4±0.5	6.3±0.5	1.9	1.6	1.6	9.0 Ref.	Ø1.3±0.1
SDL1108P-1R5MF	6.4±0.5	6.3±0.5	1.8	1.5	1.5	9.0 Ref.	Ø1.2±0.1
SDL1108P-2R0MF	6.6±0.5	6.6±0.5	1.6	1.3	1.3	9.3 Ref.	Ø1.0±0.1
SDL1108P-3R3MF	6.6±0.5	7.0±0.5	1.4	1.1	1.1	9.6 Ref.	Ø0.8±0.1

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

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3. Schematic

4. Material List



a) Core b) Wire

5. General Specification

- a) Operating Temperature: 40°C to +125°C
- b) Storage Condition (component in its packaging)
 - i) Temperature: -10 to 40°C
 - ii) Humidity: 60% RH

Part No.	Inductance (µH)	Test Frequency (Hz)	DCR (mΩ) ± 8%	lsat (A) Max.	Irms (A) Max.	Marking
SDL1108P-R30MF	0.30	1V/100K	0.80	50.0	38.0	SUPERWORLD R30
SDL1108P-R47MF	0.47	1V/100K	0.80	50.0	38.0	SUPERWORLD R47
SDL1108P-R60MF	0.60	1V/100K	0.80	50.0	38.0	SUPERWORLD R60
SDL1108P-R80MF	0.80	1V/100K	1.30	45.0	31.0	SUPERWORLD R80
SDL1108P-1R0MF	1.00	1V/100K	1.30	35.0	31.0	SUPERWORLD 1R0
SDL1108P-1R5MF	1.50	1V/100K	1.80	25.0	26.0	SUPERWORLD 1R5
SDL1108P-2R0MF	2.00	1V/100K	3.30	30.0	20.0	SUPERWORLD 2R0
SDL1108P-3R3MF	3.30	1V/100K	6.30	25.0	14.0	SUPERWORLD 3R3

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6. Electrical Characteristics

Tolerance M=±20%

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

7. Soldering Condition



Figure 1. Wave Soldering



Figure 2. Hand Soldering

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8. Packaging Information

8-1. Packaging Size & Dimension



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160

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8-2 Packaging Quantity

Туре	SDL1108P
PVC	100
Inner Box	1,000
Outer Box	2,000

Application Note:

- 1) Storage Condition:
 - a) Recommended products should be used within 6 months from the time of delivery.
 - b) The packaging material should be kept where no chlorine or sulfur exists in the air.
- 2) Transportation:
 - a) Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
 - b) The use of tweezer or vacuum pick up is strongly recommended for individual components.
 - c) Bulk handling should ensure that abrasion and mechanical shock are minimized.

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