

1. PART NO. EXPRESSION :

S D L 1 1 0 8 - 1 R 0 M F - □□

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

(a) Series code

(b) Dimension code

(c) Inductance code : 1R0 = 1.0uH

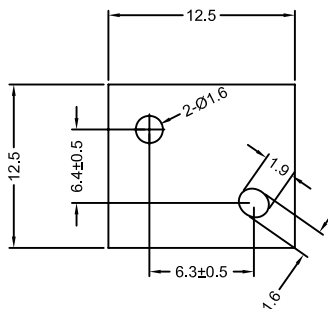
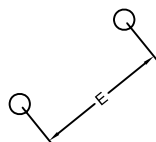
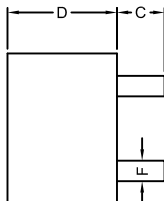
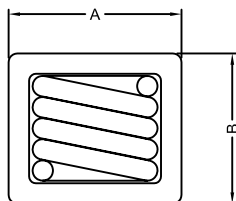
(d) Tolerance code : M = $\pm 20\%$

(e) F : RoHS Compliant

(f) 10 : Standard

11 ~ 99 : Internal control number

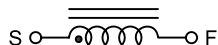
2. CONFIGURATION & DIMENSIONS :



Unit:mm

A	B	C	D	E	F
11.7 Max.	11.7 Max.	3.5 $\pm$ 0.5	9.5 Max.	9.0 $\pm$ 0.5	$\varnothing$ 1.3 $\pm$ 0.1

3. SCHEMATIC :



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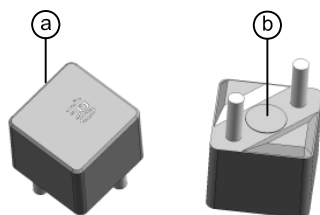


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PG. 1

4. MATERIALS :

- (a) Core
- (b) Wire



5. GENERAL SPECIFICATION :

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

6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance L0 (μ H)	Test Frequency (Hz)	DCR (m Ω) $\pm 8\%$	I _{rms} (A) Max.	I _{sat} (A) Max.	Marking
SDL1108-R30MF	0.30 $\pm 20\%$	1.0V / 100K	0.8	41	50	SUPERWORLD R30
SDL1108-R47MF	0.47 $\pm 20\%$	1.0V / 100K	0.8	41	50	SUPERWORLD R47
SDL1108-R60MF	0.60 $\pm 20\%$	1.0V / 100K	0.8	41	50	SUPERWORLD R60
SDL1108-R80MF	0.80 $\pm 20\%$	1.0V / 100K	1.3	33	45	SUPERWORLD R80
SDL1108-1R0MF	1.00 $\pm 20\%$	1.0V / 100K	1.3	32	35	SUPERWORLD 1R0
SDL1108-1R5MF	1.50 $\pm 20\%$	1.0V / 100K	1.8	27	25	SUPERWORLD 1R5
SDL1108-2R0MF	2.00 $\pm 20\%$	1.0V / 100K	3.3	20	30	SUPERWORLD 2R0
SDL1108-3R3MF	3.30 $\pm 20\%$	1.0V / 100K	6.3	14	25	SUPERWORLD 3R3



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7. SOLDERING AND MOUNTING :

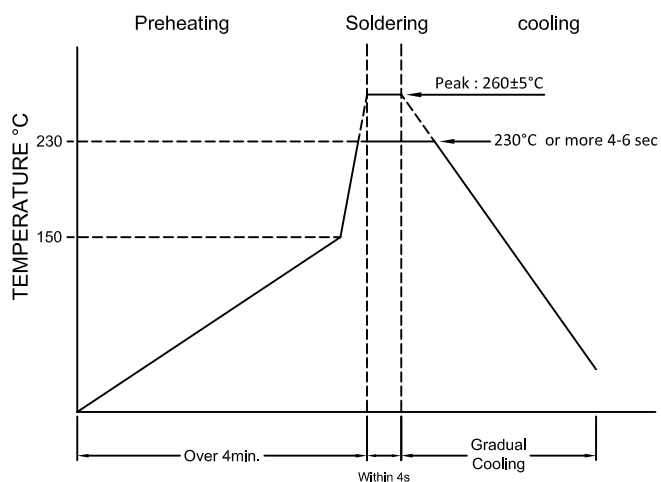


Figure 1. Wave Soldering

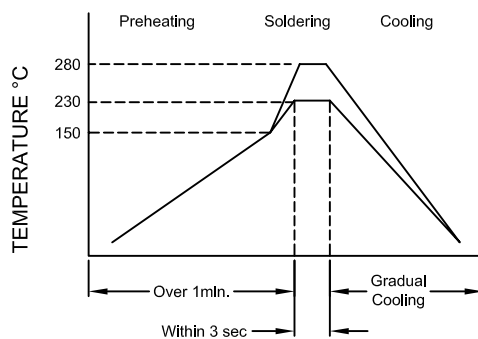


Figure 2. Hand Soldering



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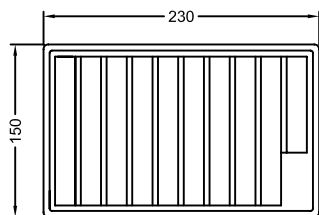
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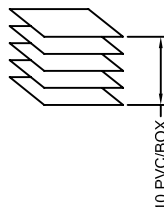
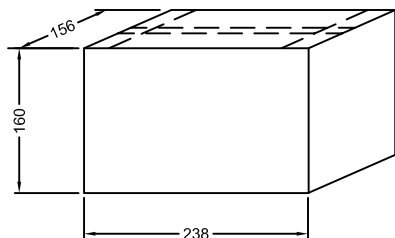
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8. PACKAGING INFORMATION :



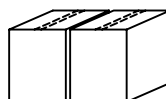
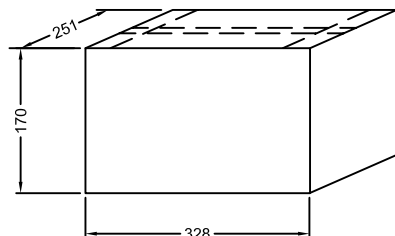
PVC SIZE: 230*150*14m/m

QUANTITY: 100/PVC



INBOX SIZE: 238*156*160m/m

QUANTITY: 10PVC/BOX



OUTBOX SIZE: 328*251*170m/m

QUANTITY: 2 INBOX/OUTBOX

Storage

- 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.

Transportation :

- a) Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- b) The use of tweezers 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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