

1. PART NO. EXPRESSION :

S D L 0 8 0 6 P - R 4 7 M F - □□
 (a) (b) (c) (d)(e) (f)

(a) Series code

(b) Dimension code

(c) Inductance code : R47 = 0.47uH

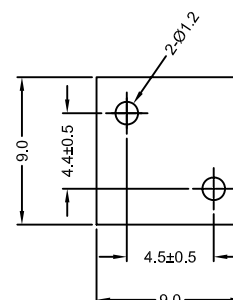
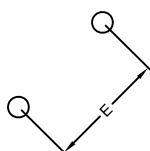
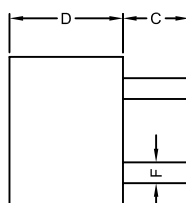
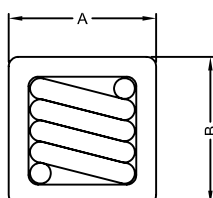
(d) Tolerance code : M = $\pm 20\%$

(e) F : RoHS Compliant

(f) 10 : Standard

11 ~ 99 : Internal control number

2. CONFIGURATION & DIMENSIONS :

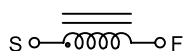


PCB Pattern

Unit:m/m

A	B	C	D	E	F
8.2 Max.	8.2 Max.	3.5 $\pm$ 0.5	6.0 Max.	6.3 $\pm$ 0.5	0.9 $\pm$ 0.1

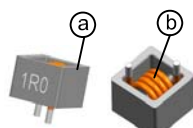
3. SCHEMATIC :



4. MATERIALS :

(a) Core

(b) Wire



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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 L _o (μ H)	Test Frequency (Hz)	DCR (m Ω) $\pm$ 8%	I _{rms} (A) Max.	I _{sat} (A) Max.	Marking
SDL0806P-R47MF	0.47 $\pm$ 20%	1.0V / 100K	1.90	22	38	R47
SDL0806P-R60MF	0.60 $\pm$ 20%	1.0V / 100K	1.90	21	34	R60
SDL0806P-R80MF	0.80 $\pm$ 20%	1.0V / 100K	2.90	17	27	R80
SDL0806P-1R0MF	1.00 $\pm$ 20%	1.0V / 100K	4.30	14	22	1R0



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PG. 2

7. SOLDERING CONDITIONS :

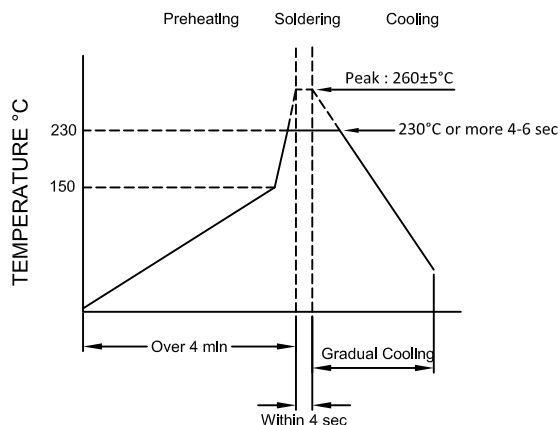


Figure 1. Wave Soldering

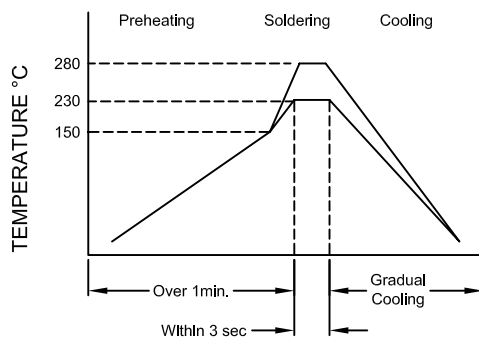


Figure 2. Hand Soldering



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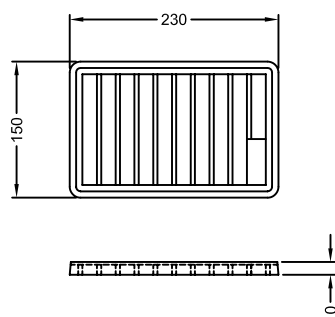
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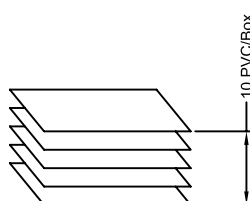
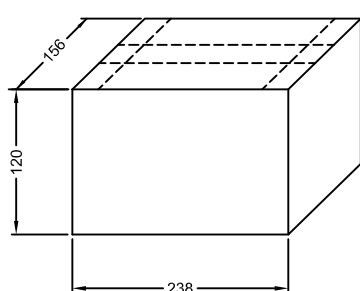
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PG. 3

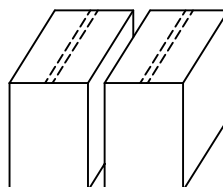
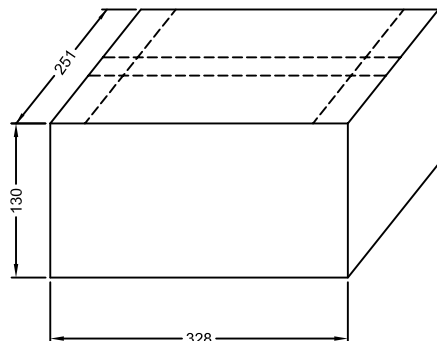
8. PACKAGING INFORMATION :



PVC Size : 230x150x10 mm
Quantity : 200/PVC



Inbox size : 238x156x120 mm
Quantity : 10PVC/Box



Outbox Size : 328x251x130 mm
Quantity : 2 Inbox/Outbox

Storage

- Recommended products should be used within 6 months from the time of delivery.
- The packaging material should be kept where no chlorine or sulfur exists in the air.

Transportation :

- Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- The use of tweezers or vacuum pick up is strongly recommended for individual components.
- Bulk handling should ensure that abrasion and mechanical shock are minimized.



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