

### 1. PART NO. EXPRESSION :

S D L 0 8 0 6 - R 5 6 M F - □□  
 (a) (b) (c) (d)(e) (f)

(a) Series code

(b) Dimension code

(c) Inductance code : R56 = 0.56uH

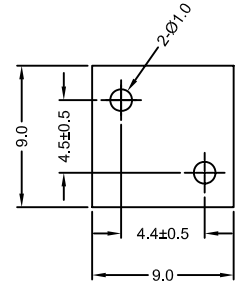
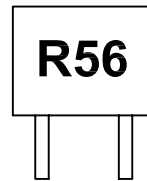
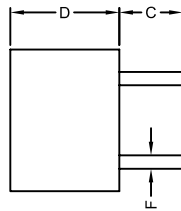
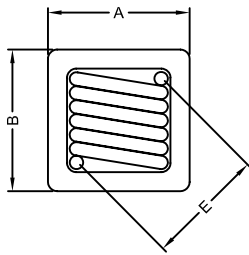
(d) Tolerance code : M = ±20%

(e) F : RoHS Compliant

(f) 10 : Standard

11 ~ 99 : Internal control number

### 2. CONFIGURATION & DIMENSIONS :

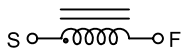


PCB Pattern

Unit:m/m

A	B	C	D	E	F
8.2 MAX.	8.2 MAX.	3.5±0.5	7.0 MAX.	6.3±0.5	0.7±0.1

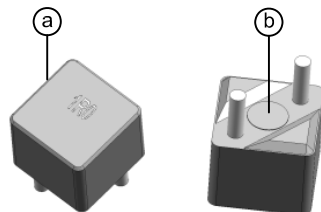
### 3. SCHEMATIC :



### 4. MATERIALS :

(a) Core

(b) Wire



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

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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 <sub>0</sub> ( μH )	Test Frequency ( Hz )	DCR ( mΩ ) ±8%	I <sub>rms</sub> ( A ) Max.	I <sub>sat</sub> ( A ) Max.	Marking
SDL0806-R30MF	0.30±20%	1.0V / 100K	1.55	31	50	R30
SDL0806-R47MF	0.47±20%	1.0V / 100K	1.90	22	38	R47
SDL0806-R56MF	0.56±20%	1.0V / 100K	1.90	22	28	R56
SDL0806-R68MF	0.68±20%	1.0V / 100K	1.90	22	20	R68
SDL0806-R82MF	0.82±20%	1.0V / 100K	2.90	18	23	R82
SDL0806-1R2MF	1.20±20%	1.0V / 100K	4.30	15	21	1R2



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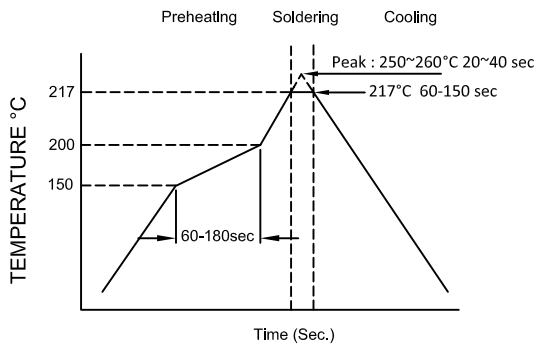
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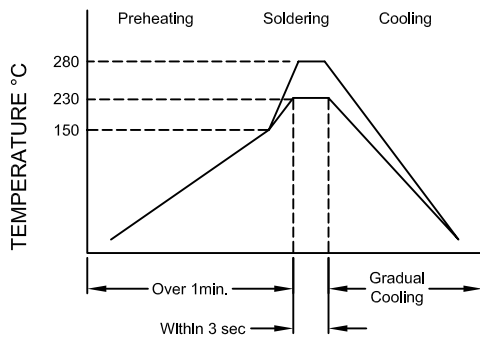


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### 6. SOLDERING CONDITIONS :



**Figure 1. Re-flow Soldering**



**Figure 2. Hand Soldering**



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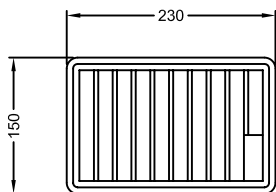
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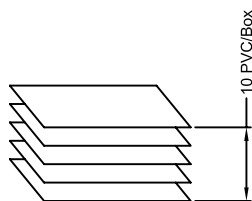
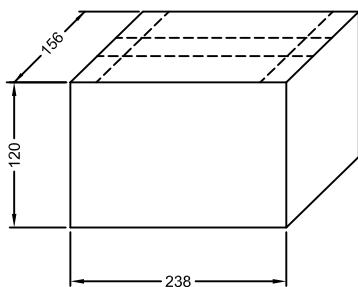
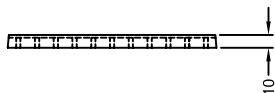


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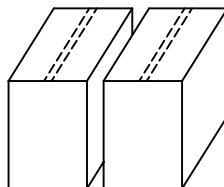
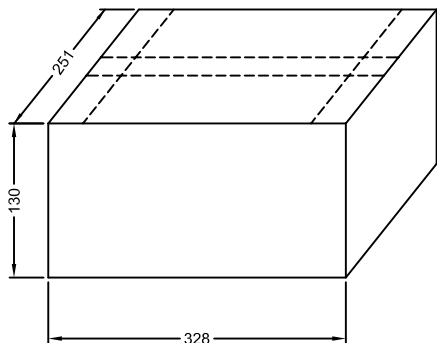
### 7. PACKAGING INFORMATION :



PVC Size : 230x150x10 mm  
Quantity : 200/PVC



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



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

### Storage

- 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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