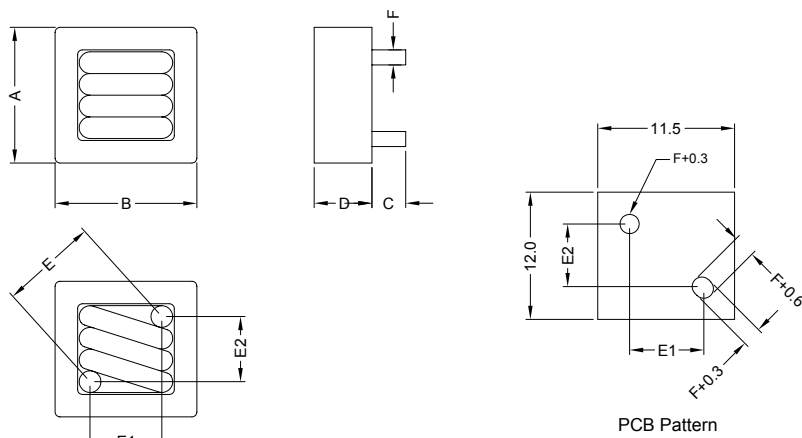


### 1. PART NO. EXPRESSION :

SDL1008P-R47MF  
 (a) (b) (c) (d)(e)

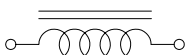
- (a) Series code
- (b) Dimension code
- (c) Inductance code : R47 = 0.47uH
- (d) Tolerance code : M = ±20%
- (e) F : Lead Free

### 2. CONFIGURATION & DIMENSIONS :

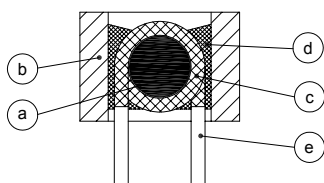


Part No.	A mm	B mm	C mm	D mm	E mm	E1 mm	E2 mm	F mm
SDL1008P-R47MF	11.0 Max.	11.5 Max.	3.5±0.5	8.5 Max.	8.2±0.5	6.0±0.5	5.6±0.5	1.4±0.1
SDL1008P-R60MF	11.0 Max.	11.5 Max.	3.5±0.5	8.5 Max.	8.2±0.5	6.0±0.5	5.6±0.5	1.4±0.1
SDL1008P-R80MF	11.0 Max.	11.5 Max.	3.5±0.5	8.5 Max.	8.6±0.5	6.2±0.5	5.9±0.5	1.3±0.1
SDL1008P-1R0MF	11.0 Max.	11.5 Max.	3.5±0.5	8.5 Max.	8.6±0.5	6.2±0.5	5.9±0.5	1.3±0.1

### 3. SCHEMATIC :



### 4. MATERIALS :



- (a) Core : Iron Powder R Core
- (b) Core : Iron Powder RI Core
- (c) Wire : Enamelled Copper Wire
- (d) Adhesive : Epoxy
- (e) Terminal : Tinned Copper Plate

### 5. GENERAL SPECIFICATION :

- a) Ambient temp. : 25°C
- b) Irms(A) : Will cause temperature rise approximately 40°C without core loss
- c) Isat(A) : Will cause L<sub>o</sub> to drop approximately 20%



**RoHS Compliant**

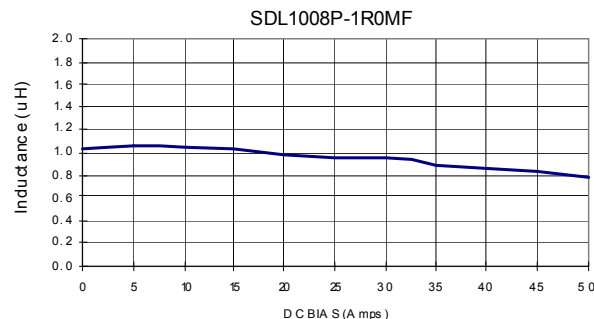
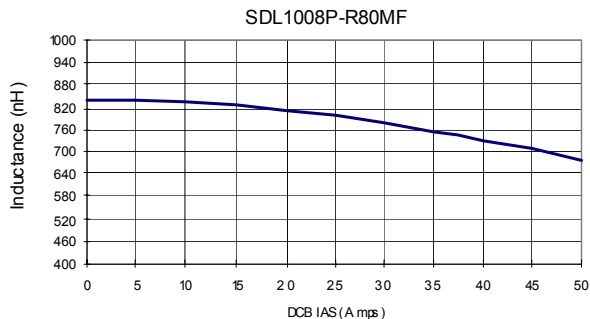
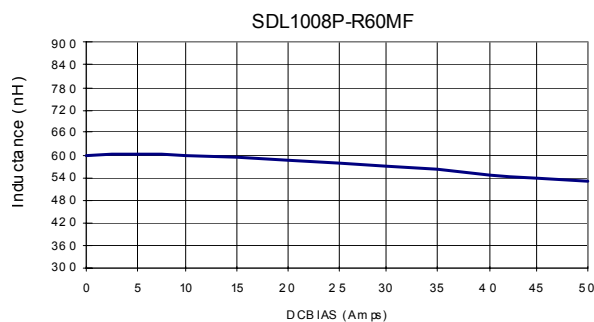
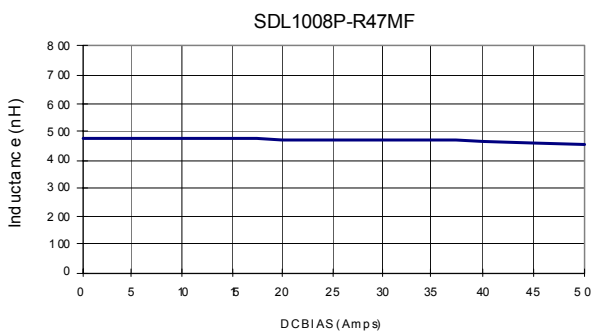
NOTE : Specifications subject to change without notice. Please check our website for latest information.



### 6. ELECTRICAL CHARACTERISTICS :

Part No.	Inductance L <sub>0</sub> ( $\mu$ H)	Test Frequency (Hz)	DCR (m $\Omega$ ) $\pm 8\%$	I <sub>rms</sub> (A) Max.	I <sub>sat</sub> (A) Max.
SDL1008P-R47MF	0.47 $\pm 20\%$	1.0V / 100K	0.87	36	45
SDL1008P-R60MF	0.60 $\pm 20\%$	1.0V / 100K	0.87	36	45
SDL1008P-R80MF	0.80 $\pm 20\%$	1.0V / 100K	1.30	30	45
SDL1008P-1R0MF	1.00 $\pm 20\%$	1.0V / 100K	1.30	30	40

### 7. INDUCTANCE VS. DC BIAS CURVES :



**RoHS Compliant**

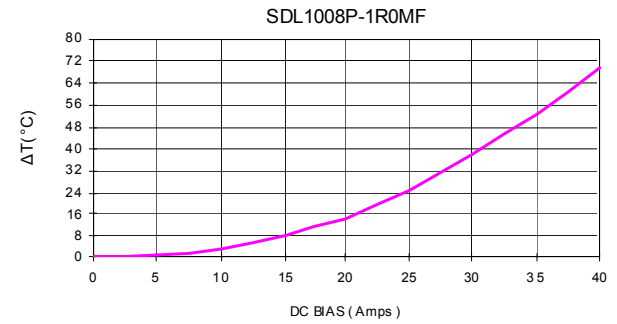
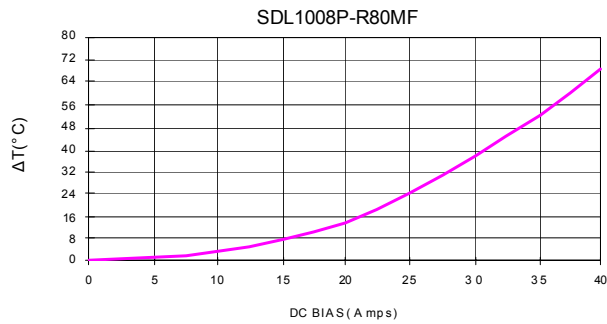
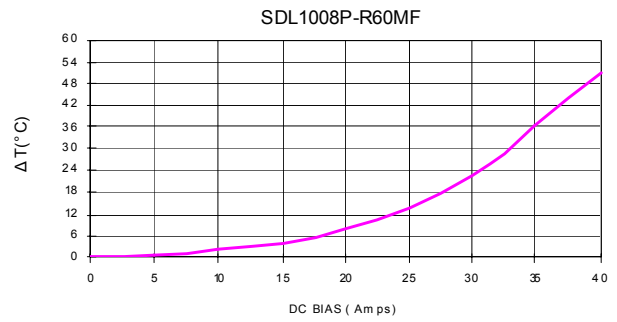
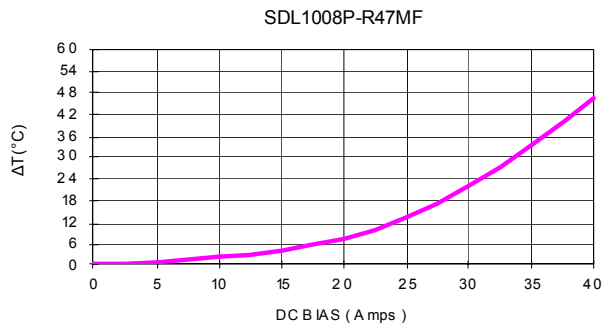
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### 8. TEMPERATURE RISE VS DC BIAS CURVES : :



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