

Surface Mount High Current Power Inductors

Surface Mount High Current Power Inductors SLPI Series (表面接著型大電流功率電感-----SLPI 系列)



Features(特徵):

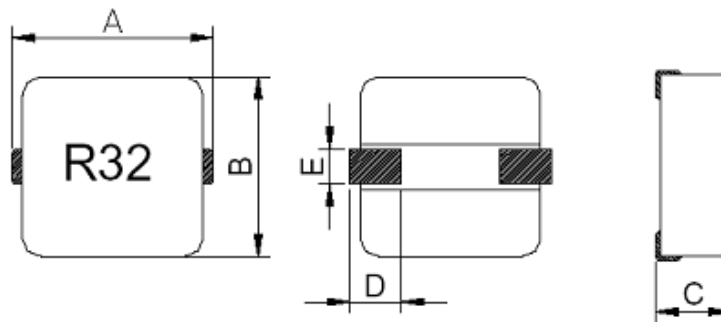
- 1, Current rating up to 55A.(電流範圍可達55安培。)
2. Inductance range from 150 nH to 440 nH.(電感範圍從150 nH到440 nH。)
3. Footprint : 12.95 X 12.95 mm.(呎吋: 12.95 X 12.95 mm。)
4. Height : 8.0 mm(max).(高度8.0mm最大。)
5. Frequency Range up to 2.0MHz.(頻率範圍可達2.0MHz。)

Applications(應用):

Excellent for power line DC-DC conversion applications used in hard disk, notebook computers and other electronic equipment.

適合於硬式磁碟機、筆記型電腦和其他電子設備中電源線路上直流對直流整流的應用。

Shape & Dimensions(外觀呎吋):



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
SLPI1208	12.95 Max	12.95 Max	8.00 Max	2.54	5.08

Specification(規格):

Part Number	Inductance (μ H)	Test Frequency (Hz)	DC Resistance (m Ω) Max	I _{rms} (Amps) Max	I _{sat} (Amps) Max
SLPI 1208-R15Y	0.15 \pm 30%	0.1V/500K	0.6	50	55
SLPI 1208-R21M	0.21 \pm 20%	0.1V/500K	0.6	45	50
SLPI 1208-R26M	0.26 \pm 20%	0.1V/500K	0.6	40	45
SLPI 1208-R32M	0.32 \pm 20%	0.1V/500K	0.6	40	41
SLP I1208-R44M	0.44 \pm 20%	0.1V/500K	0.6	28	30

Note(備注):

1. Testing Instrument:
Inductance: HP4284A LCR Meter.
DC Bias: WK3260B/WK3265B
DC Resistance: Agilent4338B Micro Ohmmeter.
2. Operating temperature -55 ~ +125 。
3. All test data is referenced to 25 ambient.
4. Heat Current (I_{rms}) will cause an approximately T of 40 。
5. Rated Current (I_{sat}) will cause L₀ to drop approximately 20%.
6. The part temperature (ambient + temp rise) should not exceed 120 under worst case operating conditions.