

New Product

SURFACE MOUNT SHIELDED POWER INDUCTOR SERIES SHC1308

FEATURES

- RoHS Compliant
- A great replacement for those bulky “through-hole” power inductors
- Well suited for use in ruggedized computers, high power appliances and digital lighting systems

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

- Inductance range 0.15uH to 0.44uH
- Test condition 0.1Vrms @ 200kHz
- Test equipment Quadtech 1750 LCR meter

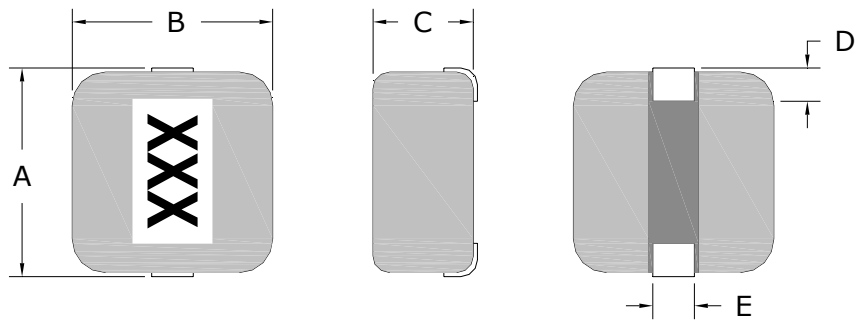
PHYSICAL SPECIFICATIONS

- Operating temp. -55°C to +125°C
- Core Ferrite
- Packaging T & R 400 pieces per reel
- Tape & reel spec. Tape 24 mm embossed carrier
- Reel 330 mm dia

Part Number	L(uH)	Tol % ±	DCR (ohms) max	Rated Current (A) (Note 1)	Saturation Current (A) (Note 2)
SHC1308-R15Y	0.15	30	0.0006	50	55
SHC1308-R21M	0.21	20	0.0006	45	50
SHC1308-R26M	0.26	20	0.0006	40	45
SHC1308-R32M	0.32	20	0.0006	40	41
SHC1308-R44M	0.44	20	0.0006	28	30

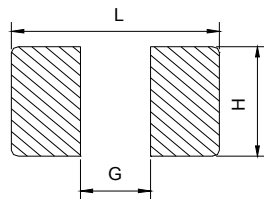
Dimensions in millimeters

Length A	13.46 max
Width B	12.95 max
Height C	8.0 max
Terminal length D	2.54 ± 0.50
Terminal width E	5.0 ± 0.5



Suggested PCB layout

G = 7.1 max
H = 7.6 max
L = 13.8 max



1. Based on ΔT approximately 40°C.
2. Based on ΔL of 20% typical

All test data based on 25°C ambient. Part temperature (ambient+temp rise) must not exceed 125°C under worst case operating conditions. Circuit design, components, PCB trace size and thickness, airflow and other cooling provisions all effect the part temperature.