Radial Lead Inductors - TSL1315 Series

Meisongbei



Features

- Encapsulated in a resin housing
- Meets UL 94V-0 flammability standard
- Ideal for power supply line applications

Applications

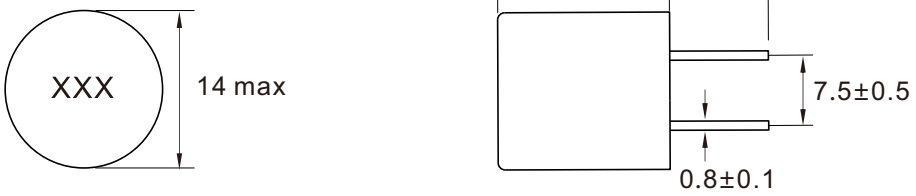
- VCRs
- Switching Power Supply
- Telecommunication devices

General Specifications

- Storage temp range: -40°C to +105°C
- Operating temp range: -40°C to +105°C
- Moisture Sensitivity Level(MSL): 1

RoHS COMPLIANT | REACH COMPLIANT | Halogen Free

Shape and Dimensions (Unit:mm)



Electrical Characteristics @ 25°C

Part Number	Inductance [uH]	DCR (max) [Ω]	Isat (max) [A]	Irms (max) [A]
TSL1315-100K	10 ±10%	0.023	12.0	5.1
TSL1315-150K	15 ±10%	0.028	9.5	4.5
TSL1315-220K	22 ±10%	0.035	8.2	4.2
TSL1315-330K	33 ±10%	0.043	6.8	3.7
TSL1315-470K	47 ±10%	0.052	5.7	3.4
TSL1315-680K	68 ±10%	0.068	4.8	3.0
TSL1315-101K	100 ±10%	0.097	3.9	2.5
TSL1315-151K	150 ±10%	0.140	3.2	2.1
TSL1315-221K	220 ±10%	0.20	2.7	1.7
TSL1315-331K	330 ±10%	0.30	2.1	1.4
TSL1315-471K	470 ±10%	0.43	1.8	1.1
TSL1315-681K	680 ±10%	0.61	1.5	0.99
TSL1315-102J	1000 ±5%	1.0	1.2	0.78
TSL1315-152J	1500 ±5%	1.3	1.0	0.68
TSL1315-222J	2200 ±5%	2.0	0.83	0.55
TSL1315-332J	3300 ±5%	3.1	0.69	0.44
TSL1315-472J	4700 ±5%	4.4	0.58	0.37
TSL1315-682J	6800 ±5%	6.5	0.46	0.30
TSL1315-103J	10000 ±5%	10.0	0.40	0.24

- Inductance tested at 1kHz, 0.25V
- Heat Rating Current (Irms): Current that cause the temperature 40°C rise from 25°C
- Saturation Current (Isat): DC current at which the inductance drops 20% from its value without current