



Features

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

Applications

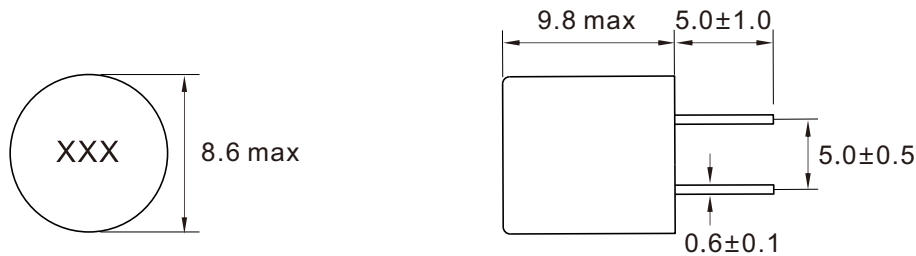
- VCRs
- Switching Power Supply
- Telecommunication devices

General Specifications

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



► Shape and Dimensions (Unit:mm)



► Electrical Characteristics @ 25°C

Part Number	Inductance [uH]	DCR (max) [Ω]	Isat (max) [A]	Irms (max) [A]
TSL0709-1R0M	1.0 ±20%	0.006	6.6	5.0
TSL0709-1R5M	1.5 ±20%	0.008	5.4	4.3
TSL0709-2R2M	2.2 ±20%	0.011	4.0	3.7
TSL0709-3R3M	3.3 ±20%	0.018	3.6	2.9
TSL0709-4R7M	4.7 ±20%	0.022	3.1	2.6
TSL0709-6R8M	6.8 ±20%	0.028	2.5	2.3
TSL0709-100K	10 ±10%	0.043	2.1	1.9
TSL0709-150K	15 ±10%	0.056	1.7	1.6
TSL0709-220K	22 ±10%	0.086	1.4	1.3
TSL0709-330K	33 ±10%	0.14	1.1	1.0
TSL0709-470K	47 ±10%	0.17	0.96	0.94
TSL0709-680K	68 ±10%	0.28	0.79	0.73
TSL0709-101K	100 ±10%	0.33	0.66	0.67
TSL0709-151K	150 ±10%	0.56	0.53	0.52
TSL0709-221K	220 ±10%	0.72	0.44	0.46
TSL0709-331K	330 ±10%	1.1	0.36	0.37
TSL0709-471K	470 ±10%	1.7	0.30	0.30
TSL0709-681K	680 ±10%	2.3	0.25	0.26
TSL0709-102K	1000 ±10%	4.3	0.20	0.19
TSL0709-152K	1500 ±10%	5.0	0.17	0.16

- 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