

TSD0512 Type

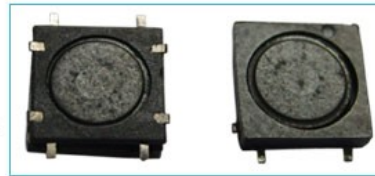
- * Frequency Range:100KHz
- * Inductance Range:4,7-22uH

Features

- * Low profile less than 0.8mm
- * Ideal for a variety of DC-DC converter inductor applications
- * Available on tape and reel for auto-mounting
- * Suitable for reflow soldering
- * Magnetically shielded
- * Small size

Applications

- * DC-DC converters for
- * LCD panels
- * Digital video/still cameras
- * Handy Phones, PDAs, and others

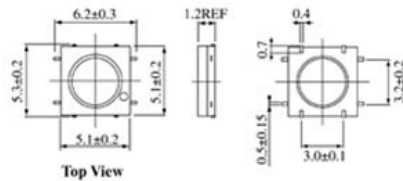


Standard Parts Selection Guide

- * Inductance is measured by LCR-meter 4263B(HP) or equivalent.
- * Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C whichever is smaller. (Reference ambient temperature 20°C).

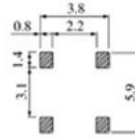
Construction

Unit : (m/m)



Top View

Recommended Patterns



LAND PATTERNS

Electrical Specification

Unit : (m/m)

Part number	L ₀ (μH)	Inductance Tolerance %	D.C. Resistance (Ω)typ.	Inductance Decrease Current (A)max.
TSD0512-4R7M	4.7	±20%	0.20	0.90
TSD0512-6R8M	6.8	±20%	0.25	0.80
TSD0512-100M	10	±20%	0.35	0.70
TSD0512-150M	15	±20%	0.50	0.55
TSD0512-220M	22	±20%	0.68	0.45

1. Tested at 100KHz, 1 Vrms, 0 Adc.
 2. DC current at which the inductance drops 10%(typ.) from its value without current.
 3. Average current for a 40°C rise above 25°C ambient.
 4. Operating temperature range-40°C to +85°C.
 5. Electrical specifications at 25°C.
- See Qualification Standards section for environmental and test data.

[Print] [Close]