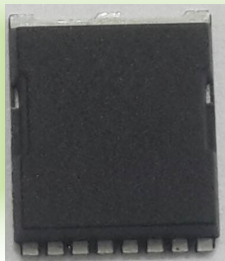


DESCRIPTION

Lingsen' TOLL (TO-Leadless) is a perfect solution for high power applications, Where highest efficiency, outstanding EMI behavior and best thermal behavior in combination with space reduction are required.



Optimized for high current automotive MOSFET applications.
Voltage regulator for car battery.

APPLICATIONS

- Forklift.
- Light electric vehicles.
- Telecom.
- Battery Management.

FEATURES

- Very low RDS(on) performance.
- Highest current capability up to 150A.
- Very low package parasitic and inductances.

SPECIFICATIONS

Leadframe: 8L Material—C19210
 Solder paste: Pb/Sn5/Ag2.5
 Aluminum Wire: 99.99%Al.
 Molding Compound: EME-E210 LA
 Plating: Sn
 Marking: White Ink.
 Packing: PVC Tube.

PACKAGE AVAILABILITY

Package Size (mm)	Lead Pitch (mm)	Lead Count
10.38x9.90	1.2	8

RELIABILITY

Temperature Cycling	-65°C~150°C, 250 cycles
High Temperature Storage	150°C, 1000hrs
Pressure Cooker	121°C, 2atm, 100% R.H., 168hrs
Temperature & Humidity	85°C/85% R.H., 1000hrs
Hast	130°C, 85%R.H., 100hrs

THERMAL PERFORMANCE

Package	Body size (mm)	Gate size (um)	Die size (mm)	Thermal Performance ψ_{ja} (°C/W)
8 (Fused Lead)	10.38x9.90	505x309.7	5.16x6.32	

Note: 1. Simulated with JEDEC Standard 4-layer test board under still air condition, ambient temperature 45°C
Power: 0.3W

2. 8L L/F Material—C19210

ELECTRICAL PERFORMANCE

Package	Body size (mm)	Gate size (um)	Frequency (MHz)	Self inductance (nH)	Self capacitance (pF)	Resistance (mohm)
8L	10.38x9.90	505x309.7				

Note: Results are simulated. Data is available through 1GHz.

CROSS-SECTION

