

**CONTENT** 

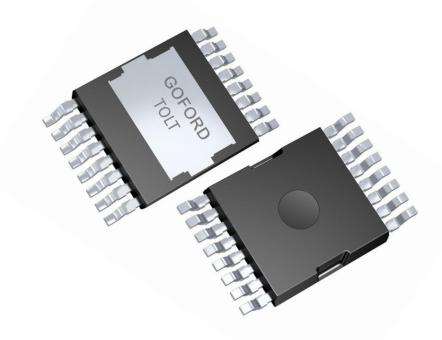
### **GOFORD**

#### Introduction

- Features
- Advantages
- Dimension

**Application** 

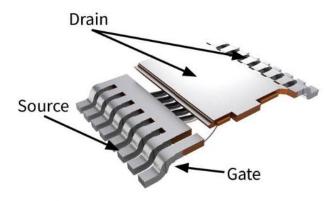
**Development** 



#### **GOFORD**

#### Features

- Low RDS(on)
- High current rating >300 A
- Top-side cooling
- Negative stand-off
- Sn-free exposed pad
- Gull wing



Top view w/o mould compoud

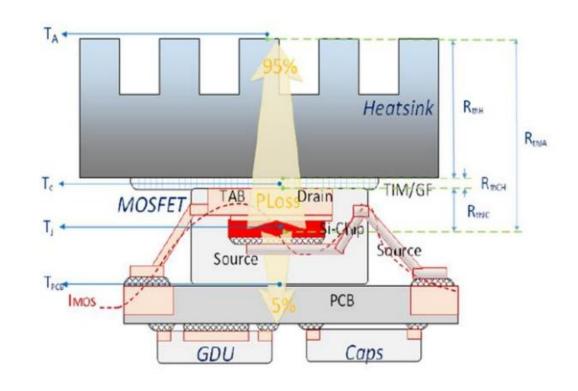


Bottom view w/o mould compoud



## Advantages

- Increased system efficiency enabling extended battery life time
- High power density
- Small profile, high current
- Superior thermal performance



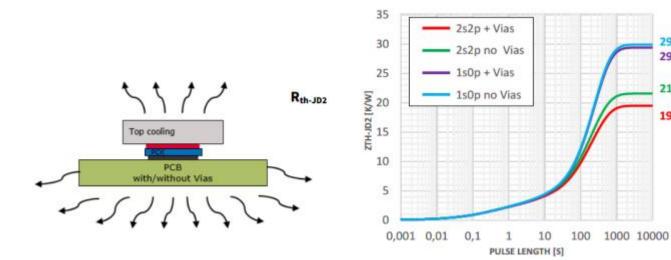
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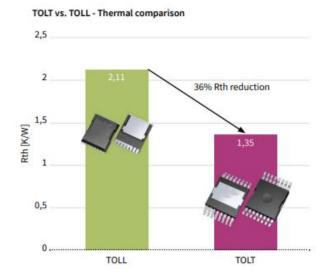
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#### **GOFORD**

### Advantages

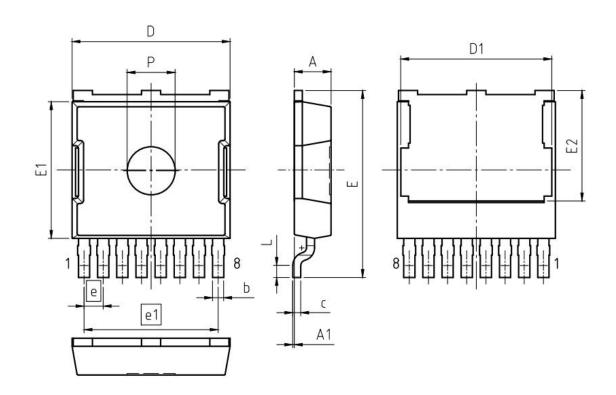
- Saving in cooling system
- Minimized thermal resistance to heatsink, RthJA 20% lower, RthJC 50% improved, Rth(J-heatsink) 36% reduced, increase the current capability





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## Dimension



DIMENSIONS	MILLIMETERS	
	MIN.	MAX.
Α	2.25	2.35
A1	0.01	0.16
b	0.60	0.80
С	0.40	0.60
D	9.70	10.10
D1	8.20	8.40
E	14.80	15.20
E1	10.00	10.30
E2	5.57	5.77
е	1.20	
e1	8.40	
L	1.40	1.60
Р	2.90	3.10

# **Application**

TOLT are ideal for applications which require high thermal performance, big current and small profile.

E scooter



LEV



**Power Tools** 

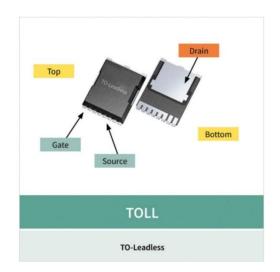


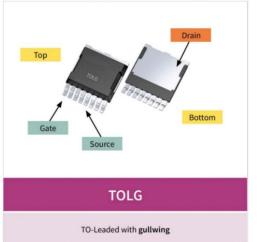
**BMS** 

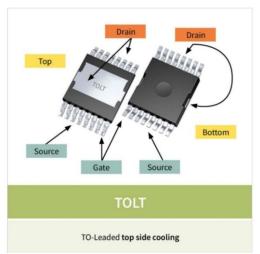


## **Development of Toll package**

#### **GOFORD**







- The TO-Leaded Topside cooling (TOLT) package expands the high-performance package line of the Power MOSFET family.
- The TOLT package is indeed a significant advancement in power MOSFET technology. It retains the
  high current and low profile benefits of the TOLL package, but with the added advantage of top-side
  cooling. This feature allows for superior thermal performance, which is crucial in high-power
  applications.
- This innovative packaged is a key feature that enables high current ratings greater than 300 A for high power density designs.



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