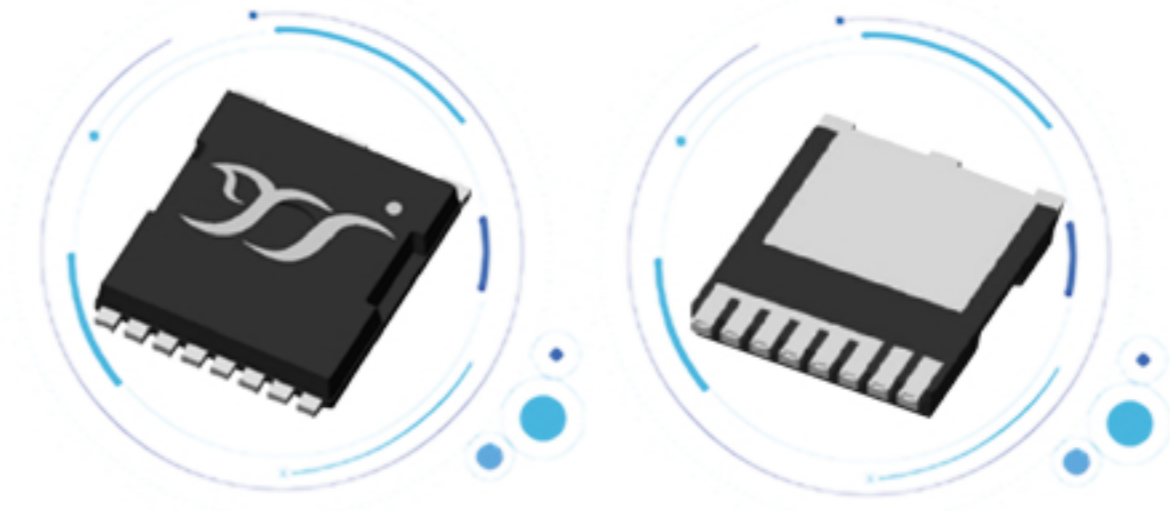


TOLL Package SiC MOSFET



Product Introduction

With the growth of diversified demand in the downstream market, power discrete device packaging products are gradually developing in the direction of customization and specialization. Yangjie Technology has introduced TOLL packaged SiC MOSFET products that are ideal for high power, high current, high reliability and other application scenarios.

Product Features

1. High temperature resistance, operating temperature (175°C), excellent heat dissipation performance, excellent temperature rise performance, improve the reliability of the product;
2. Low package resistance, low parasitic inductance, excellent EMI performance; and has KS source, fast switching speed, low loss, suitable for high voltage and high frequency application conditions;
3. Compared to the TO-263 package, the PCB in the TOLL package takes up 30% less board area, 50% less height, and 60% less board space, making it more suitable for high power density applications.

Electrical Parameters

Product Name	Package	Blocking Voltag(V)	Current Rating(A)	Generation	Rdson(mΩ) @25°C	Gate Charge Total Qg (nC)	Output Capacitance Coss(pF)	Total Power Dissipation PTOT (W)	Thermal resistance RthJ-C(°C/W)	Maximum Junction Temperature (°C)
YJD212080TLG1	TOLL	1200	39.5	Gen1	80	48	56.3	208.3	0.72	175
YJD206520TLGH	TOLL	650	86.5	GH	20	300.1	352	263	0.57	175
YJD212060TLGH	TOLL	1200	42.5	GH	60	117	97.4	234.4	0.64	175

Please refer to the official website for more details

Application



Inverter



Charging Pile



Outdoor Power Supply



DC-DC/PDU