



1.Description

SS041N12LS, the N-channel Enhanced Power MOSFETs, is obtained by advanced double trench technology which reduce the conduction loss, improve switching performance and enhance the avalanche energy. This is suitable device for motor drivers and high speed switching applications.

KEY CHARACTERISTICS

Parameter	Value	Unit
V _{DSS}	120	V
I _D	180	A
R _{DS(on)} .typ	3.3	mΩ

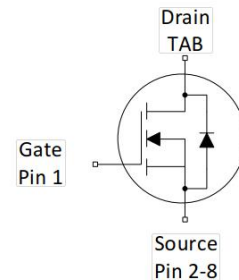
FEATURES

- Fast Switching
- Low On-Resistance ($R_{DS(on)} \leq 4.1\text{m}\Omega$)
- Low Gate Charge
- Low Reverse transfer capacitances
- High avalanche ruggedness
- RoHS product

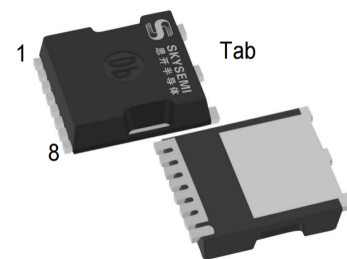
APPLICATIONS

- Switching applications
- Motor drivers
- BMS
- Synchronous rectification

Schematic Diagram



TOLL-8L



ORDERING INFORMATION

Ordering Codes	Package	Product Code	Packing	Quantity
SS041N12LS	TOLL-8L	SS041N12LS	Reel	2000