

1.Description

SS041N12KS, 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	3.6	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

ORDERING INFORMATION

Ordering Codes	Package	Product Code	Packing	Quantity
SS041N12KS	TOLT-16L	SS041N12KS	Reel	1200

Schematic Diagram

