



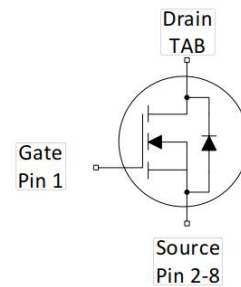
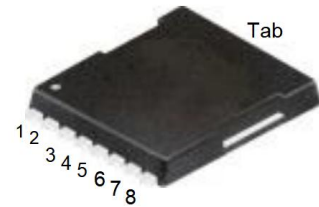
1.Description

SS042N15LS, 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_{DS}	150	V
I_D	215	A
$R_{DS(on).typ}$	3.3	mΩ

Schematic Diagram



FEATURES:

- Fast Switching
- Low On-Resistance ($R_{DS(on)} \leq 4.0\text{m}\Omega$)
- 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
SS042N15LS	TOLL-8	SS042N15LS	Reel