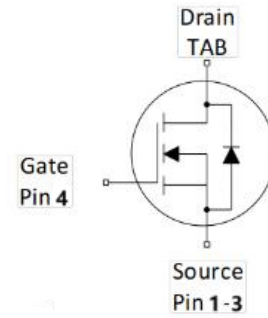


## 1.Description

SS010N04CS, 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.

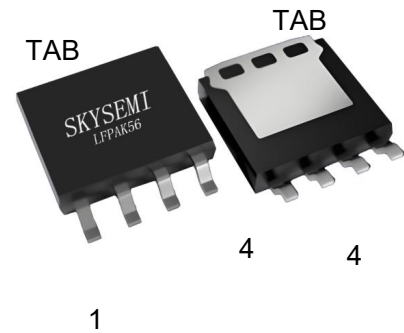
### Schematic Diagram



### KEY CHARACTERISTICS

Parameter	Value	Unit
V <sub>DSS</sub>	40	V
I <sub>D</sub>	265	A
R <sub>DS(on).typ</sub>	0.7	mΩ

### LFPAK56



### FEATURES:

- Fast Switching
- Low On-Resistance (  $R_{DS(on)} \leq 1.0\text{m}\Omega$  )
- 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	Quantity
SS010N04CS	LFPAK56	SS010N04CS	Reel	5000