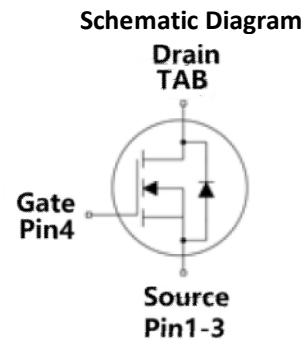


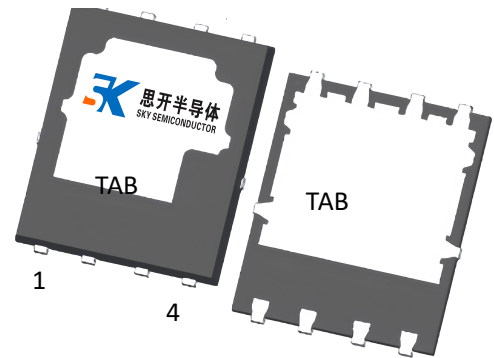
## 1. Description

SS010N04GS, 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 <sub>DSS</sub>	40	V
I <sub>D</sub>	320	A
R <sub>DS(on).typ</sub>	0.8	mΩ



## 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
- Synchronous rectification
- Power tool
- Motor drivers
- Battery formation

## ORDERING INFORMATION:

Ordering Codes	Package	Product Code	Packing	Quantity
SS010N04GS	PDFN5X6 DSC	SS010N04GS	Reel	5000