

■ Features

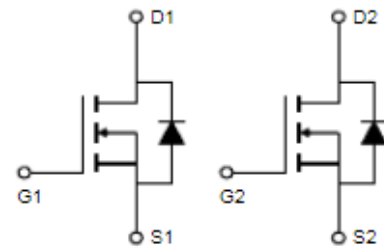
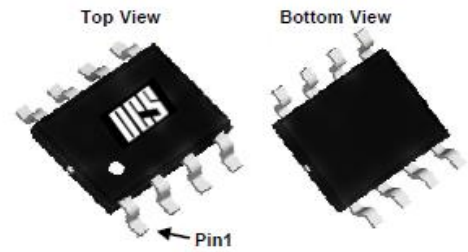
- Trench Technology
- Supper high density cell design
- Fast Switching Extremely Low Threshold Voltage
- 100% Avalanche test
- Pb-free lead plating, RoHS compliant
- Package SOP-8L

■ Product Summary

BV _{DSS}	I _D	R _{DS(on)} Type
60V	9.0A	32mΩ@V _{GS} =10V
		38mΩ@V _{GS} =4.5V

■ Application

- Battery protection
- Power Load Switch



■ Absolute Maximum Ratings (TA=25°C, unless otherwise noted)

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V _{DS}	60	V
Gate-Source Voltage	V _{GS}	±20	V
Continuous Drain Current ^{1,4}	I _D	9	A
		5.5	
Pulsed Drain Current ^{2,4}	I _{DM}	35	A
Total Power Dissipation ³	PD	2.5	W
		1.5	W
Operating Junction and Storage Temperature Range	T _J , T _{STG}	-55 To 150	°C

■ Thermal Characteristic (TA=25°C, unless otherwise noted)

Parameter	Symbol	Rating	Unit
Thermal Resistance, Junction-to-Ambient ¹	R _{θJA}	36	°C/W