

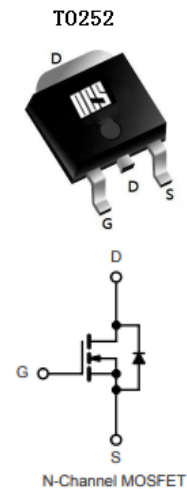


Features

- Split gate trench Technology
- Supper high density cell design
- Fast Switching Extremely Low Threshold Voltage
- 100% Avalanche test
- Pb-free lead plating, RoHS compliant
- Package TO252-2L

Product Summary

BV _{DSS}	R _{DS(on)} Type	I _D
100V	65m Ω @V _{GS} =10V	15A
	85m Ω @V _{GS} =5.0V	



Application

- DC/DC converters
- Power supply converters circuit
- Power Load Switch



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

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V _{DS}	100	V
Gate-Source Voltage	V _{GS}	±20	V
Continuous Drain Current ^{1,5}	I _D	15	A
		10	
Pulsed Drain Current ^{2,5}	I _{DM}	55	A
Single Pulse Avalanche Energy ³	EAS	16	mJ
Total Power Dissipation ⁴	PD	30	W
Operating Junction and Storage Temperature Range	T _J , T _{STG}	-55 To 150	°C

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

Parameter	Symbol	Rating	Unit
Thermal Resistance, Junction-to-Ambient ¹	R _{θJA}	62	°C/W
Thermal Resistance, Junction-Case ¹	R _{θJC}	2.2	°C/W