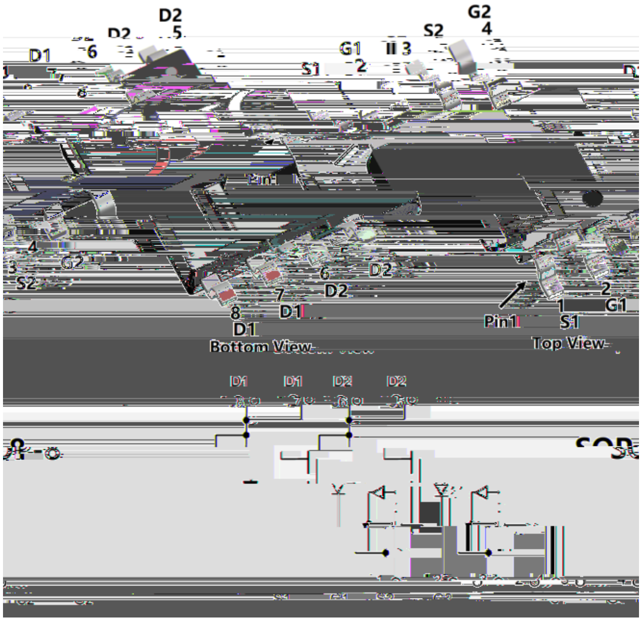
P-Channel and P-Channel Compleme [redacted]



Product Summ

- V_{DS}
- I_D
- $R_{DS(ON)}$(at V_{GS}=-10
- $R_{DS(ON)}$(at V_{GS}=-4.5
- 100% EAS Tested

General Descri

- Trench Power LV M
- High density cell de
- High Speed switchi
- Moisture Sensitivity
- Epoxy Meets UL 94
- Halogen Free

Applications

- Battery protection
- Load switch
- Power managemen

■ **Absolute Maximum Ratings** (T_A=25   unless otherwise noted)

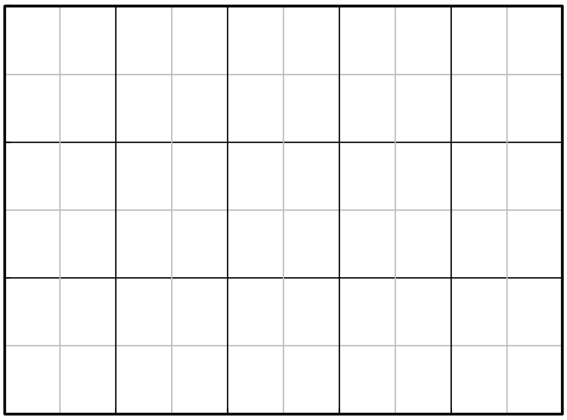
Parameter		Symbol	[redacted]	[redacted]
Drain-source Voltage		V_{DS}	[redacted]	[redacted]
Gate-source Voltage		V_{GS}	±20	V
Drain [redacted]	T_A=25	I_D	-10	A

■ **Electrical Characteristics** (T_J=25 unless otherwise noted)

Parameter	Symbol	Conditions	Min	Typ	Max	Units

Static Parameter

Typical Electrical and Thermal Characteristics Diagrams



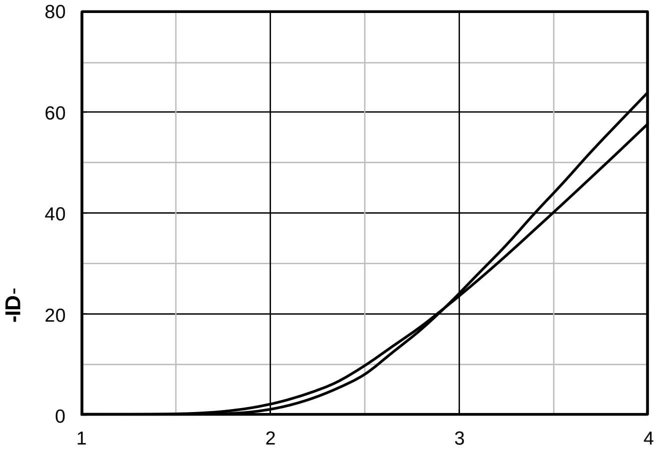


Figure 1. Output Characteristics

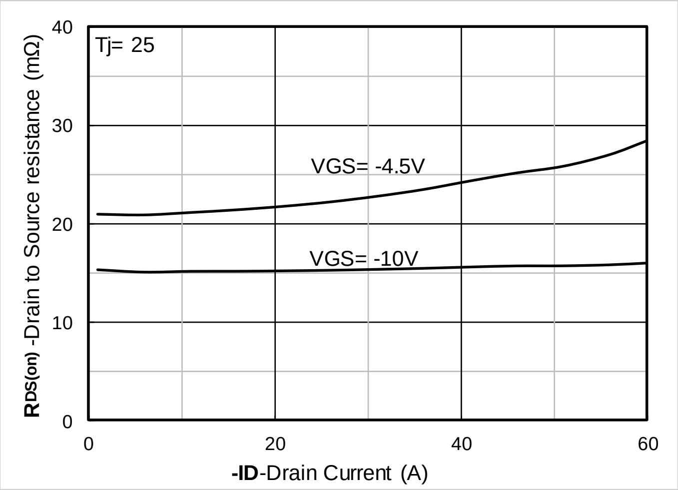


Figure 7. RDS(on) VS Drain Current

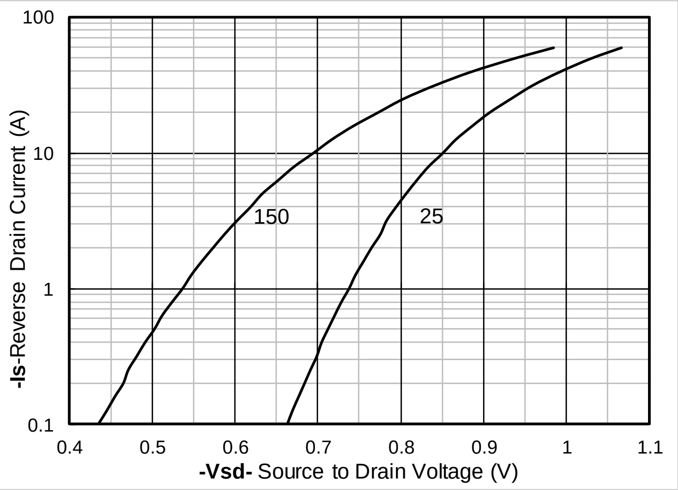


Figure 8. Forward characteristics of reverse diode

Figure 9. Normalized breakdown voltage

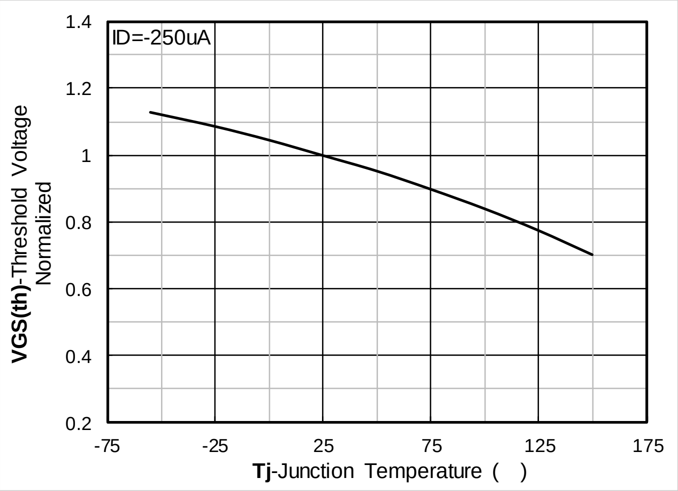
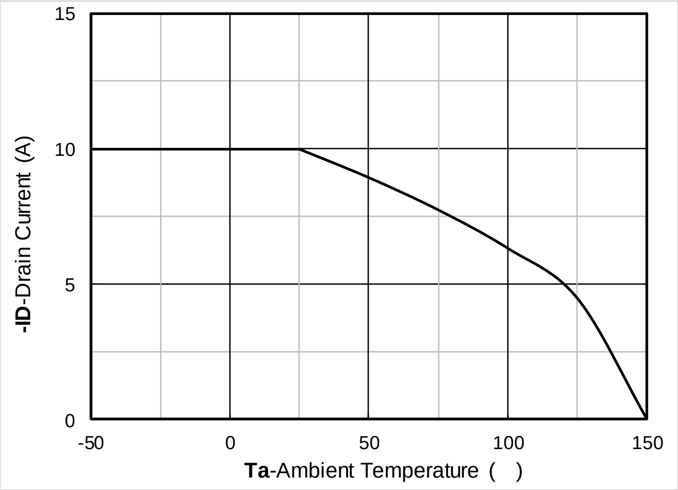
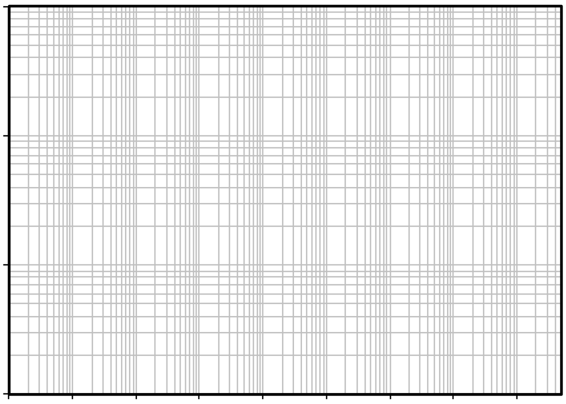


Figure 10. Normalized Threshold voltage





■ SOP-8 Package information