

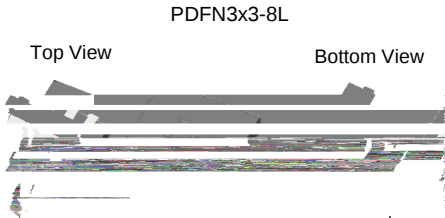


Features

- Low $R_{DS(ON)}$
- Low Gate Charge
- 100% UIS Tested, 100% R_g Tested
- Pb-free Lead Plating
- Halogen-free and RoHS-compliant

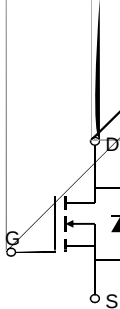
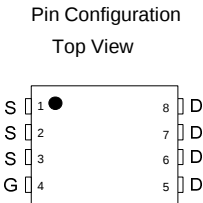
Applications

- Power Management in Computing, CE, IE 4.0, Communications
- Current Switching in DC/DC & AC/DC (SR) Sub-systems
- Load Switching, Quick/Wireless Charging, Motor Driving



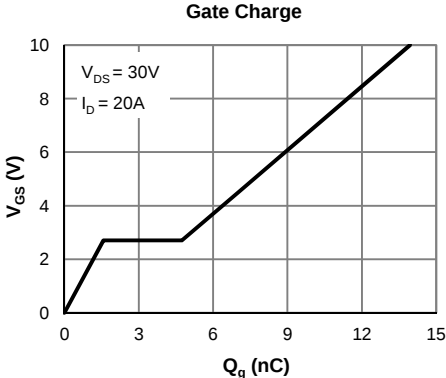
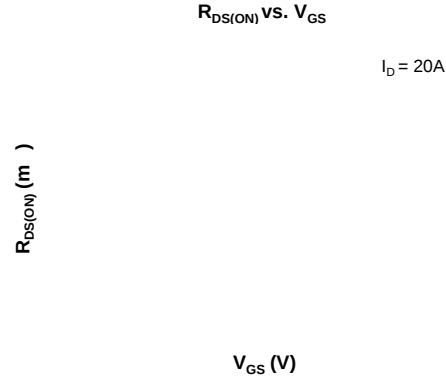
Product Summary

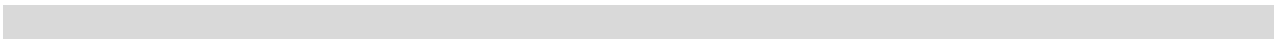
Parameter	Value	Unit
V_{DS}	60	V
$V_{GS(th_Typ)}$	1.6	V
	38	A
	10.0	m
	12.3	m



Package	# of Pins	Marking	MSL	T_J (°C)	Media	Quantity (pcs)
PDFN3x3-8L	8	SL0612A	1	-55 to 150	13-inch Reel	5000

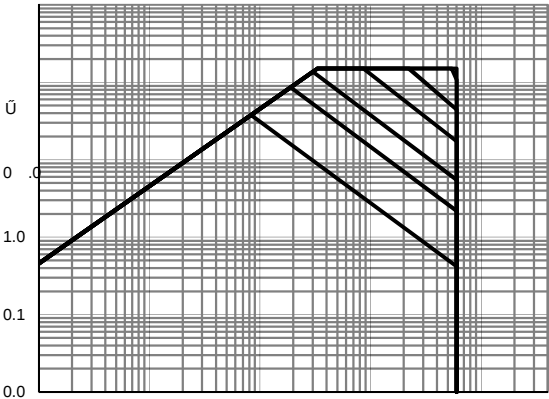
	Symbol		Unit
Drain-to-Source Voltage	V_{DS}	61	V
	V_{GS}		V
Continuous Drain Current $T_C = 25^\circ\text{C}$	I_D	38	A
Current ⁽¹⁾ $T_C = 100^\circ\text{C}$		24	A
Pulsed Drain Current ⁽²⁾	I_{DM}	151	A
	I_{AS}		A
	E_{AS}		mJ
			W
	T_J, T_{STG}		°C





[illegible]

Typical Electrical & Thermal Characteristics





JMSL0612AU

PDFN3x3-8L Package Information

