

### Features

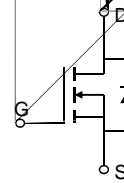
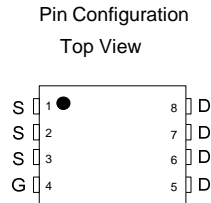
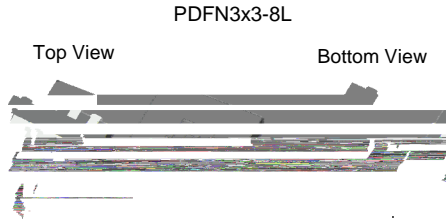
- Low  $R_{DS(ON)}$
- Low Gate Charge
- 100% UIS Tested, 100%  $R_g$  Tested
- Pb-free Lead Plating
- Halogen-free and RoHS-compliant

### 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

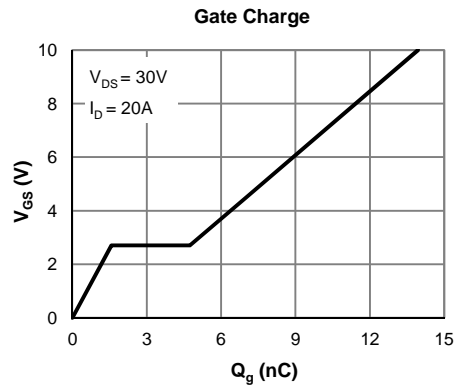
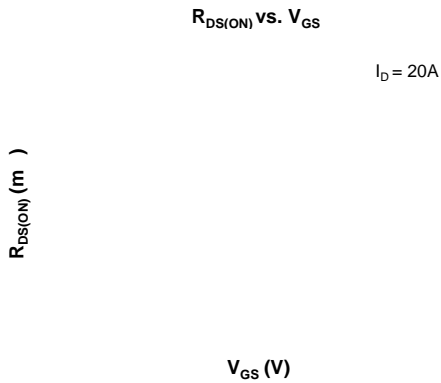
### Product Summary

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

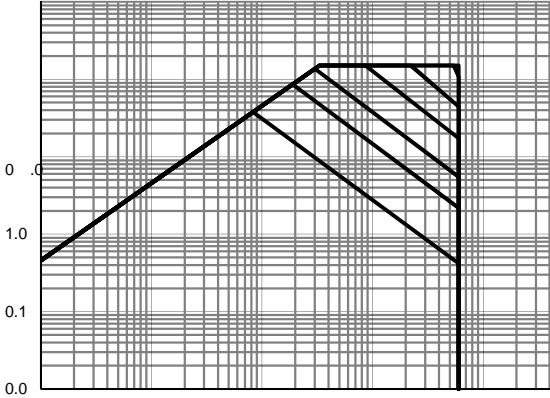
	Symbol	Unit
Drain-to-Source Voltage	$V_{DS}$	V
	$V_{GS}$	V
Continuous Drain Current $T_C = 25^\circ\text{C}$	$I_D$	A
Current <sup>(1)</sup> $T_C = 100^\circ\text{C}$		A
Pulsed Drain Current <sup>(2)</sup>	$I_{DM}$	A
	$I_{AS}$	A
	$E_{AS}$	mJ
		W
	$T_J, T_{STG}$	°C

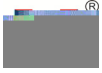






Typical Electrical & Thermal Characteristics





**JMSL0612AU**

**PDFN3x3-8L Package Information**

