FMS30H200PG

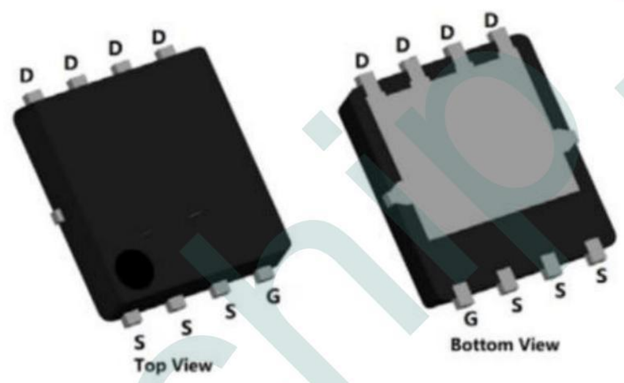
N-Channel SGT Power MOSFET

- 30V, 200A
- $R_{DS(ON)}$<1.15mΩ @ V_{GS} =10V
- $R_{DS(ON)}$<1.68mΩ @ V_{GS} =4.5V

Application

- Power switching application
- PWM Application
- DC-DC Converter

Package



PDFN5X6-8L

Absolute maximum ratings (T_C=25℃,unless otherwise noted)

Parameter		Symbol	Rating	Units
Drain-Source Voltage		V_{DS}	30	V
Gate-Source Voltage		V_{GS}	±20	V
Continuous Drain Current	（Tc=25℃）	I_D	200	A
Continuous Drain Current	（Tc=100℃）	I_D	56	A
Pulsed Drain Current		I_{DM}	600	A
Single Pulse Avalanche Energy[1]		E_{AS}	664	mJ
Power Dissipation	(Tc=25℃)	P_D	102	W
Thermal Resistance Junction-to-Case		$R_{\theta JC}$	1.4	℃/W
Storage Temperature Range		T_{STG}	-55 to 150	℃
Operating Junction Temperature Range		T_J	-55 to 150	℃

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