FMS01H240LL

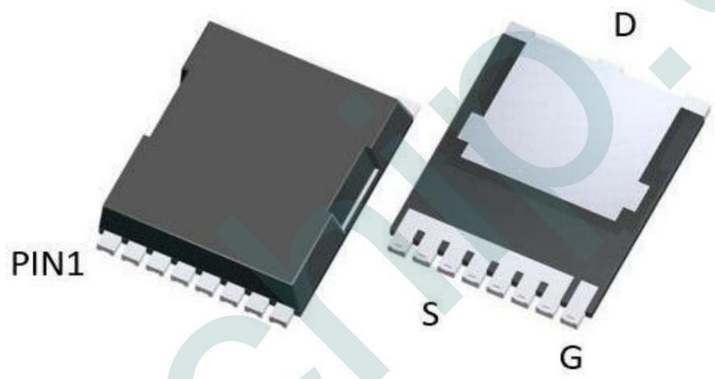
N-Channel SGT Power MOSFET

- 100V,240A
- $R_{DS(ON)}$=1.8mΩ(Typ.) @ V_{GS} =10V
- Advanced SGT Technology
- Provide Excellent $R_{DS(ON)}$ and Low Gate Charge
- 100% UIS Tested

Application

- LCD TV
- Notebook
- Elevator
- Inductive heating
- Power tools

Package



TOLL-8

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Absolute Maximum Ratings (T_C=25℃unless otherwise specified)

Parameter		Symbol	Rating	Units
Drain-Source Voltage		V_{DSS}	100	V
Gate-Source Voltage		V_{GSS}	±20	V
Continuous Drain Current	（T_C=25℃）	I_D	240	A
Continuous Drain Current	（T_C=100℃）		164	A
Pulsed Drain Current		I_{DM}	822	A
Single Pulse Avalanche Energy[1]		E_{AS}	1600	mJ
Power Dissipation	(Tc=25℃)	P_D	252	W
Operating Junction Temperature Range		T_{STG},T_J	-55 to +150	℃