FMC01H375LL

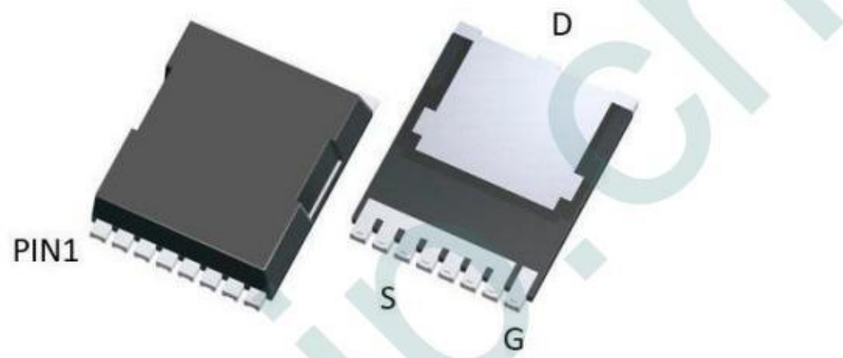
N-Channel Trench Power MOSFET

- 100V,375A
- $R_{DS(ON)}$=2.0mΩ(Typ.) @ V_{GS} =10V
- Advanced Trench Technology
- Provide Excellent $R_{DS(ON)}$ and Low Gate Charge

Application

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

Package



TOLL-8

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

Symbol	Parameter		Max.	Units
V_{DSS}	Drain-Source Voltage		100	V
V_{GSS}	Gate-Source Voltage		±25	V
I_D	Continuous Drain Current	T_C = 25℃	375	A
		T_C = 100℃	197	A
I_{DM}	Pulsed Drain Current note1		835	A
E_{AS}	Single Pulsed Avalanche Energy note2		2500	mJ
P_D	Power Dissipation	T_C = 25℃	210	W
$R_{\theta JC}$	Thermal Resistance, Junction to Case		0.7	℃/W
T_J, T_{STG}	Operating and Storage Temperature Range		-55 to +175	℃

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