FM3080SA/W

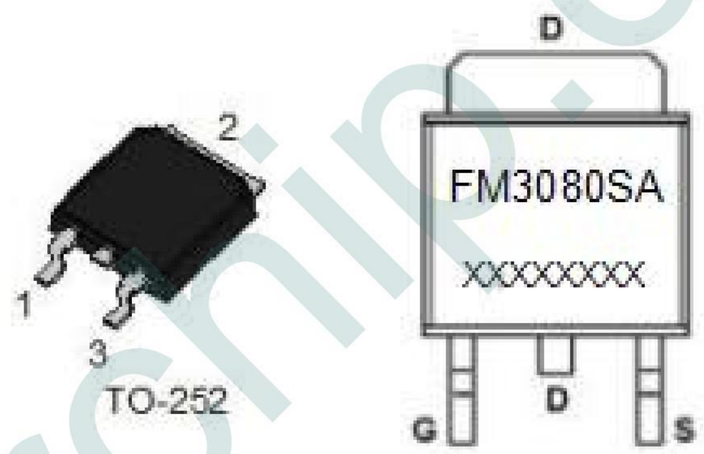
N-Channel Trench Power MOSFET

- 30V,80A
- RDS(ON)=4.2mΩ (Typ.) @ VGS =10V
- RDS(ON)=6.4mΩ (Typ.) @ VGS =4.5V

Application

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

Package



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

Symbol	Parameter		Value	Units
V_{DSS}	Drain-Source Voltage		30	V
V_{GSS}	Gate-Source Voltage		±20	V
I_D	Continuous Drain Current	T_C = 25℃	80	A
		T_C = 100℃	48	A
I_{DM}	Pulsed Drain Current note1		260	A
E_{AS}	Single Pulsed Avalanche Energy note2		156	mJ
P_D	Power Dissipation	T_C = 25℃	38	W
$R_{\theta JC}$	Thermal Resistance, Junction to Case		3.3	℃/W
T_J, T_{STG}	Operating and Storage Temperature Range		-55 to +150	℃

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