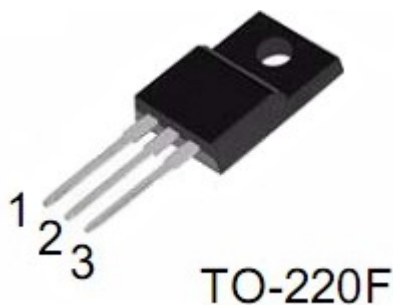
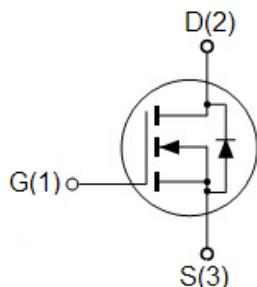


N-CHANNEL POWER MOSFET MEM12N65

General Description

- Switching regulator application.
- High voltage and high speed.
- Switching application.

Pin Configuration



MEM12N65A3G

Features

- 650V, 12A
- $R_{DS(ON)}=0.64\Omega@V_{GS}=10V$
- LOW CRSS
- FAST SWITCHING
- PACKAGE : TO-220F

Maximum Ratings($T_A=25^\circ\text{C}$)

Parameter		Symbol	Ratings	Unit
Drain-Source Voltage		V_{DSS}	650V	V
Gate-Source Voltage		V_{GSS}	± 30	V
Drain Current	$T_A=25^\circ\text{C}$	I_D	12	A
	$T_A=100^\circ\text{C}$		4.0	
Pulsed Drain Current ^{1,2}		I_{DM}	28	A
Total Power Dissipation	$T_A=25^\circ\text{C}$	P_d	51	W
Operating Temperature Range		T_{Opr}	-55-150	$^\circ\text{C}$
Storage Temperature Range		T_{stg}	-55-150	$^\circ\text{C}$

Thermal Characteristics

Parameter	Symbol	TYP.	MAX.	Unit
Thermal Resistance, Junction-to-Case	$R_{\theta JC}$	2.7	3	$^\circ\text{C/W}$