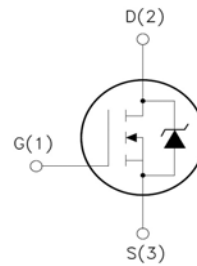
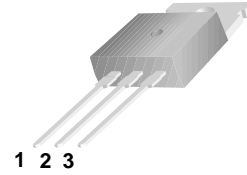


TO-220 



1.Gate (G)
2.Drain (D)
3.Source (S)

Features:

- Low Intrinsic Capacitances.
- Excellent Switching Characteristics.
- Extended Safe Operating Area.
- Unrivalled Gate Charge :Qg= 72nC (Typ.).
- BVDSS=60V, I_D=85A
- R_{DS(on)} : 8.5mΩ (Max) @V_G=10V
- 100% Avalanche Tested

Absolute Maximum Ratings* (T_C=25°C Unless otherwise noted)

Symbol	PARAMETER	Value	Unit
V _{DSS}	Drain-Source Voltage	60	V
I _D	Drain Current	T _C =25°C	85
		T _C =100°C	65
V _{GS(TH)}	Gate Threshold Voltage	±25	V
E _{AS}	Single Pulse Avalanche Energy (note1)	100	mJ
I _{AR}	Avalanche Current (note2)	85	A
P _D	Power Dissipation (T _C =25°C)	200	W
T _j	Junction Temperature(MAX)	150	°C
T _{stg}	Storage Temperature	-55~+150	°C
TL	Maximum lead temperature for soldering purpose, 1/8" from case for 5 seconds	300	°C

Thermal Characteristics

Symbol	PARAMETER	Typ.	MAX.	Unit
R _{θJC}	Thermal Resistance, Junction to Case	-	0.63	°C/W
R _{θJA}	Thermal Resistance, Junction to Ambient	-	62.5	°C/W