

V_{DS}	-30V
$R_{DS(ON)}$ (typ.)	4.5mΩ
I_D	-60A
P_D	30W

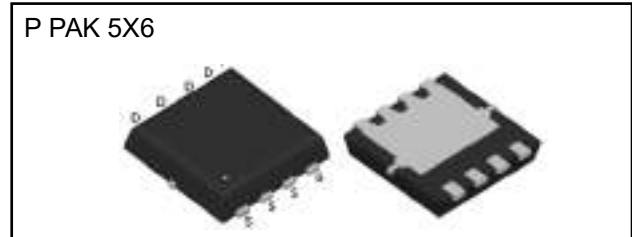
Features

- 1、Low on – resistance
- 2、High power package (P PAK 5X6)
- 3、Pb-free lead plating ; RoHS compliant
- 4、Halogen free
- 5、100% Rg and UIS tested

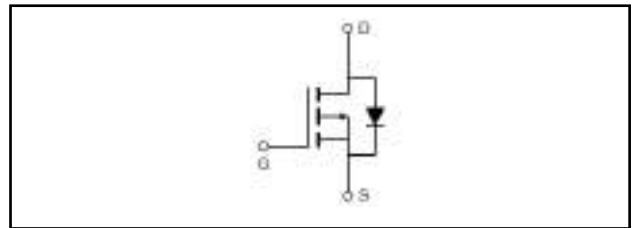
Applications

Switching

Outline



Inner Circle



Packaging specifications

Packing	Embossed Tape
Reel Size(mm)	330
Tape width(mm)	12
Basic ordering unit (pcs)	5000
Taping code	
Marking	

Absolute maximum ratings (T_c=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{DS}	Drain-Source Voltage ($V_{GS}=0V$)	-30	V
V_{GS}	Gate-Source Voltage ($V_{GS}=0V$,static)	±20	V
I_D	Continuous Drain Current (T _c =25°C)	-60	A
	Continuous Drain Current (T _c =100°C)	-42	A
I_{DM}	Pulesd Drain Current ^{Note1}	-240	A
I_{AS}	Avalanche Current	-43	A
E_{AS}	Single Pulsed Avalanche Energy ^{Note4}	120	mJ
P_D	Maximum Power Dissipation (T _c =25°C)	30	W
	Power Dissipation – Derate above 25°C	3	W/°C
T _J ,T _{STG}	Operating,Storage Temperature Range	-55~150	°C

Thermal Characteristics

Symbol	Parameter	Max.	Unit
$R_{θJA}$	Thermal Resistance,Junction-to-Ambient ^{Note2}	53	°C/ W
$R_{θJC}$	Thermal Resistance,Junction-to-Case	2.5	°C/ W