

V_{DSS}	600V
$R_{DS(on)}(Max.)$	0.15Ω
I_D	±25A
P_D	150W

●Features

- 1) Low on-resistance.
- 2) Fast switching speed.
- 3) Gate-source voltage (V_{GSS}) guaranteed to be ±30V.
- 4) Drive circuits can be simple.
- 5) Parallel use is easy.
- 6) Pb-free lead plating ; RoHS compliant

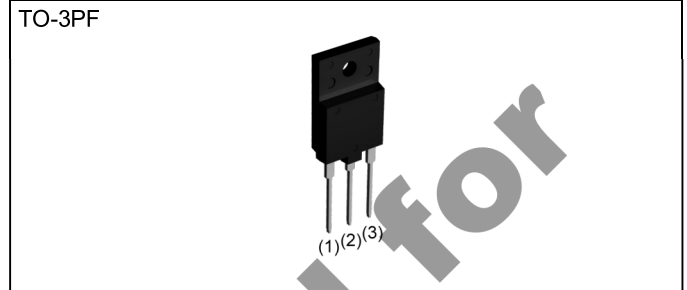
●Application

Switching Power Supply

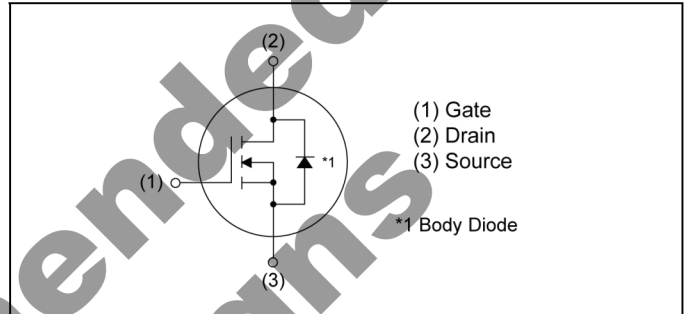
●Absolute maximum ratings ($T_a = 25^{\circ}C$)

Parameter	Symbol	Value	Unit	
Drain - Source voltage	V_{DSS}	600	V	
Continuous drain current	$T_C = 25^{\circ}C$	I_D^{*1}	±25	A
	$T_C = 100^{\circ}C$	I_D^{*1}	±12.5	A
Pulsed drain current	$I_{D,pulse}^{*2}$	±100	A	
Gate - Source voltage	V_{GSS}	±30	V	
Avalanche energy, single pulse	E_{AS}^{*3}	39	mJ	
Avalanche energy, repetitive	E_{AR}^{*4}	9.7	mJ	
Avalanche current	I_{AR}^{*3}	12.5	A	
Power dissipation ($T_c = 25^{\circ}C$)	P_D	150	W	
Junction temperature	T_j	150	°C	
Range of storage temperature	T_{stg}	-55 to +150	°C	
Reverse diode dv/dt	dv/dt	15	V/ns	

●Outline



●Inner circuit



●Packaging specifications

Type	Packing	Tube
	Reel size (mm)	-
	Tape width (mm)	-
	Basic ordering unit (pcs)	360
	Taping code	C8
	Marking	R6025ANZ