

SHINDENGEN

HVX-2 Series Power MOSFET

N-Channel Enhancement type

2SK2333
(F6F70HVX2)

700V 6A

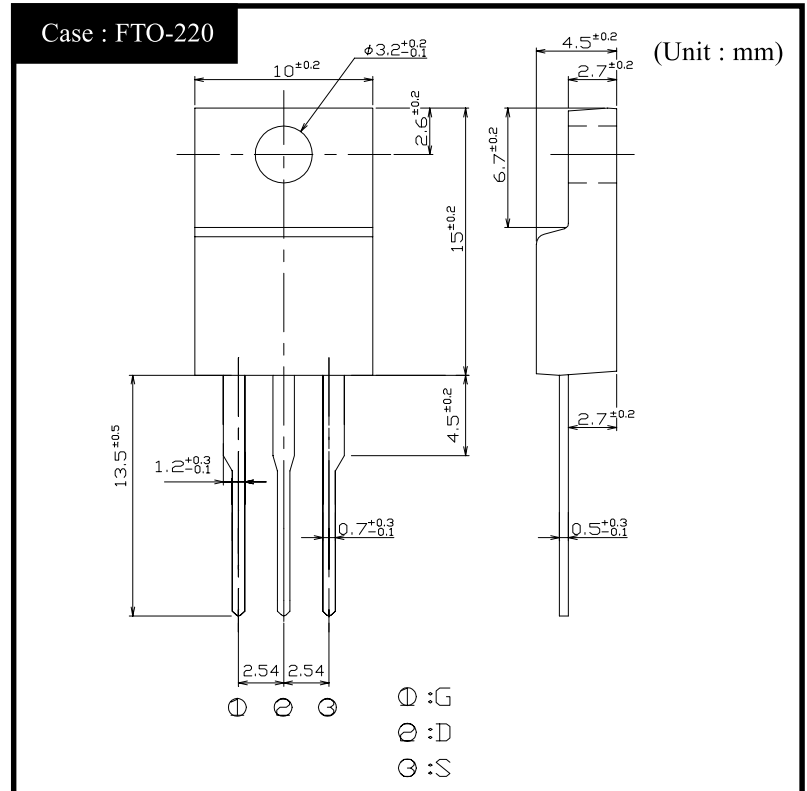
FEATURES

- Input capacitance (Ciss) is small.
Especially, input capacitance at 0 bias is small.
- The static Rds(on) is small.
- The switching time is fast.
- Avalanche resistance guaranteed.

APPLICATION

- Switching power supply of AC 240V input
- High voltage power supply
- Inverter

OUTLINE DIMENSIONS



RATINGS

- Absolute Maximum Ratings (Tc = 25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T _{stg}		-55~150	°C
Channel Temperature	T _{ch}		150	
Drain-Source Voltage	V _{DSS}		700	V
Gate-Source Voltage	V _{GSS}		±30	
Continuous Drain Current(DC)	I _D		6	
Continuous Drain Current(Peak)	I _{DP}	Pulse width ≤ 10 μs, Duty cycle ≤ 1/100	18	
Continuous Source Current(DC)	I _S		6	
Total Power Dissipation	P _T		50	W
Repetitive Avalanche Current	I _{AR}	T _{ch} = 150°C	6	A
Single Avalanche Energy	E _{AS}	T _{ch} = 25°C	190	mJ
Repetitive Avalanche Energy	E _{AR}	T _{ch} = 25°C	19	
Dielectric Strength	V _{dis}	Terminals to case, AC 1 minute	2	kV
Mounting Torque	TOR	(Recommended torque : 0.3 N·m)	0.5	N·m