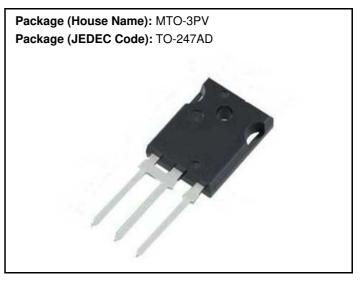
S30V80V

General Rectifying Diodes 800V, 30A

Feature

- High Voltage
- · Available for automotive use
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit

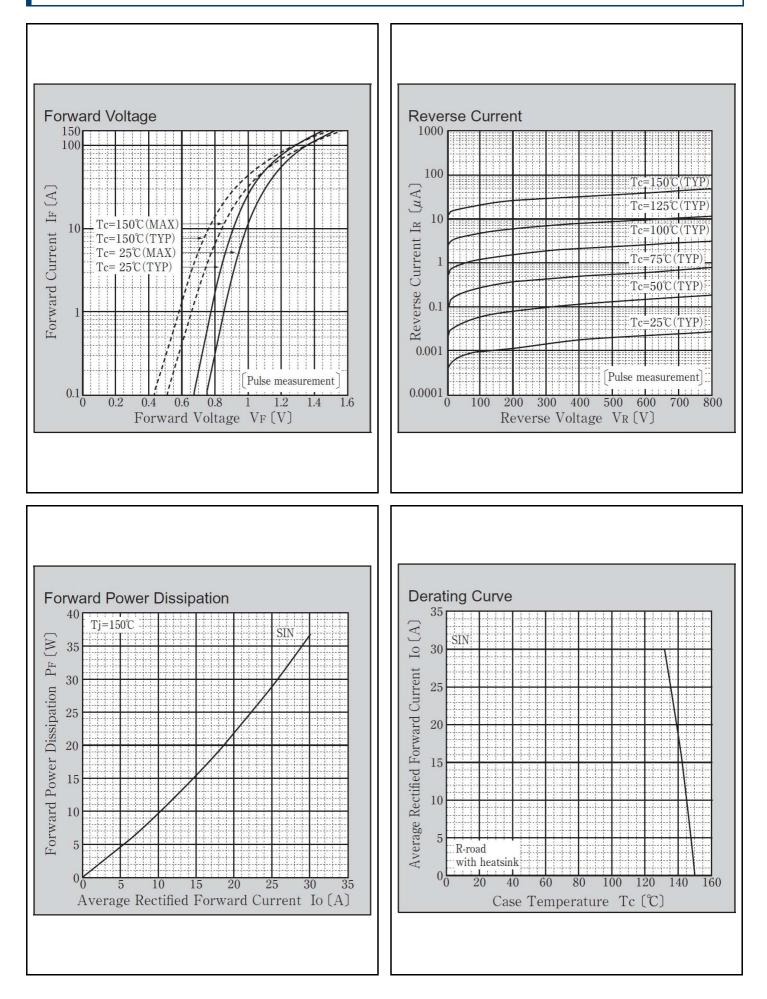
Absolute Maximum Ratings (unless otherwise specified : Tc=25°C)

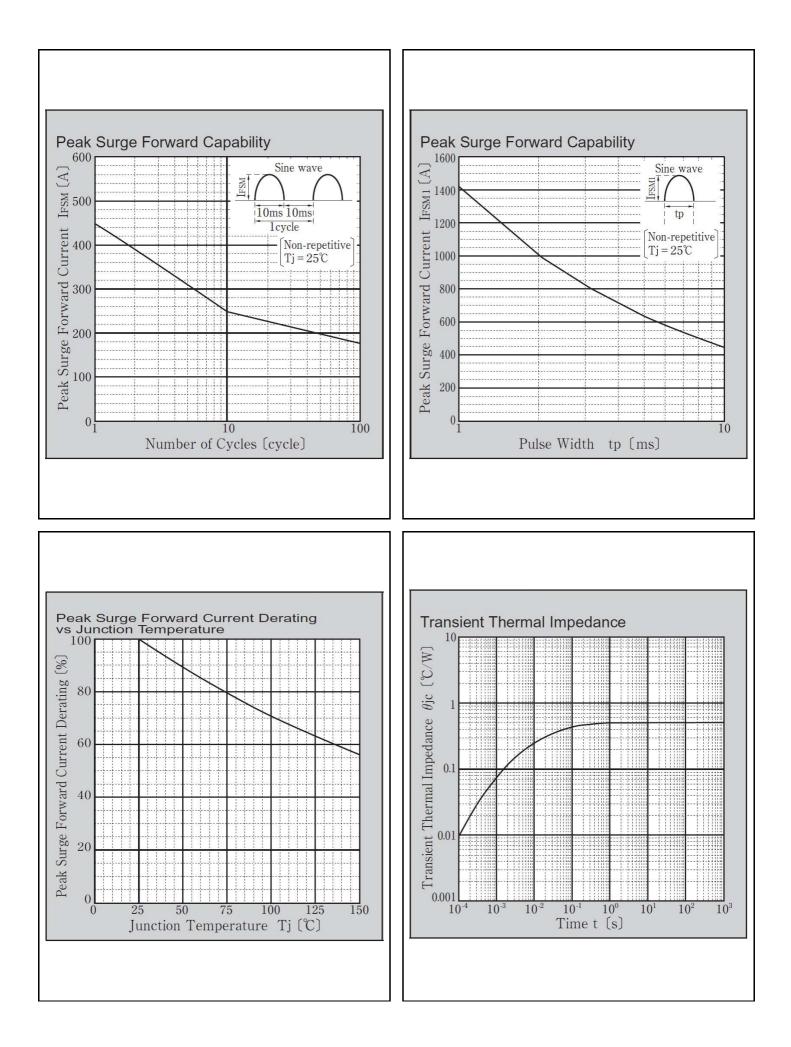
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	V _{RRM}		800	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, With heatsink Tc=131°C	30	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	450	A
Surge forward current	I _{FSM1}	tp=1ms, Tj=25°C, Non-repetitive	1423	Α
Current squared time	l ² t	1ms≦tp<10ms, Rating of per diode	1012.5	A ² s
Mounting torque	TOR	(Recommended torque:0.5N·m)	0.8	N∙m

*:See the original Specifications

* : See the original Specifications

CHARACTERISTIC DIAGRAMS

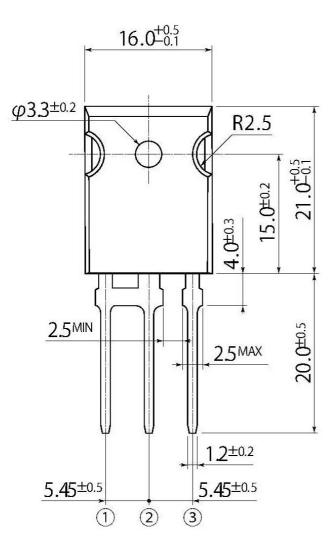


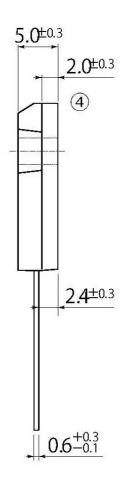


unit:mm

scale: 2/1

K6	JEDEC Code	TO-247AD	
	JEITA Code	-	
	House Name	MTO-3PV	





Notes

- 1. If you wish to use any such product, please be sure to refer to the specifications issued by Shindengen.
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[Special applications]

Transportation equipment (vehicles, ships, etc.), trunk-line communication equipment, traffic signal control systems, antidisaster/crime systems, safety equipment, medical equipment, etc.

[Specific applications]

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