

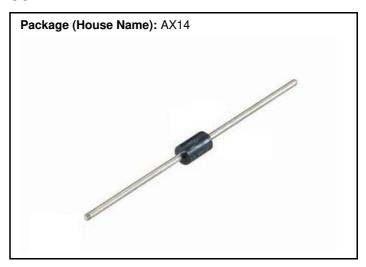
S3K60

Fast Recovery Diodes 600V, 3A

Feature

- High Voltage
- Low Noise
- · Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		-55 to 150	°C
Repetitive peak reverse voltage	V_{RRM}		600	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Tl=123°C *	3	Α
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C *		А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C		Α

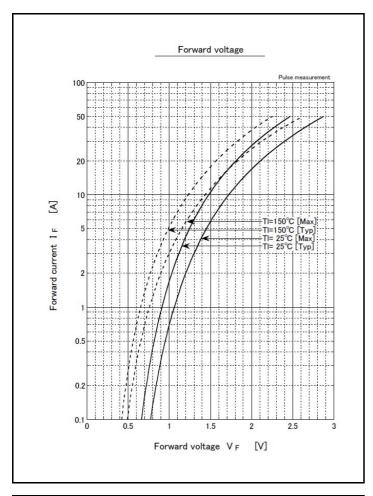
^{* :} See the original Specifications

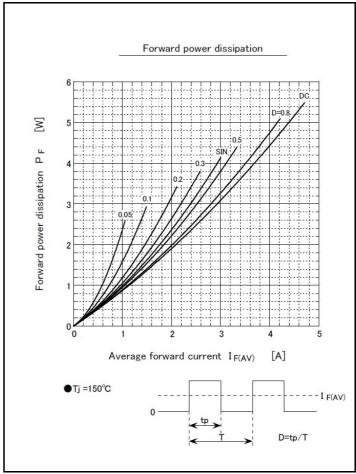
Electrical Characteristics (unless otherwise specified : TI=25°C)

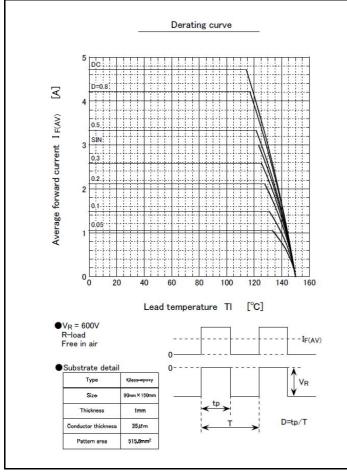
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Oint
Forward voltage	V_{F}	IF=3A, Pulse measurement			1.3	V
Reverse current	I _R	VR=600V, Pulse measurement			10	μΑ
Reverse recovery time	trr	IF=0.5A, IR=1.0A, 0.1IR			100	ns
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate *			6.5	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient On glass-epoxy substrate *			60	°C/W

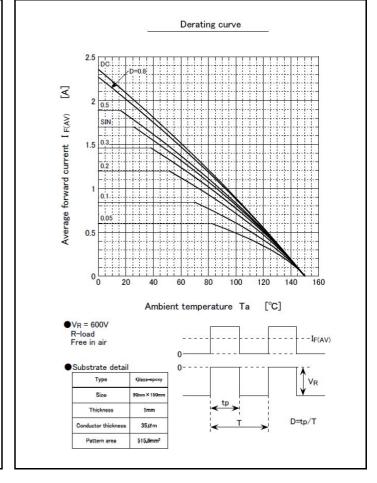
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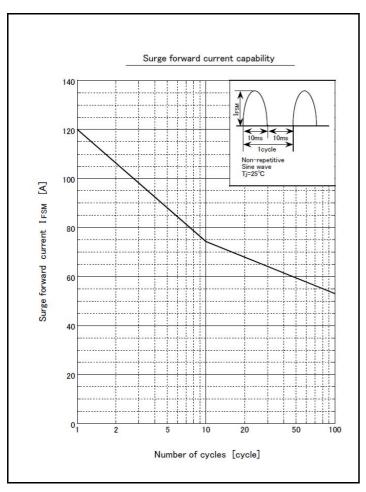
CHARACTERISTIC DIAGRAMS

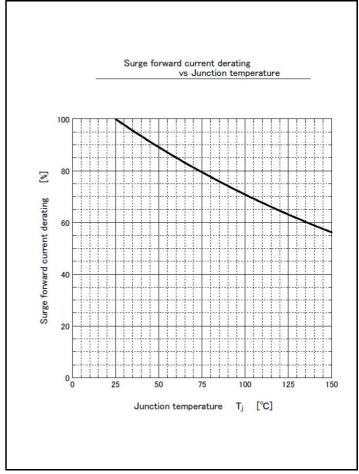


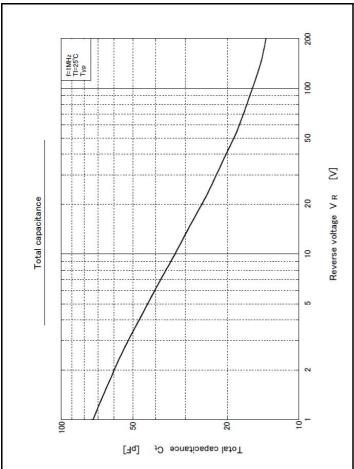


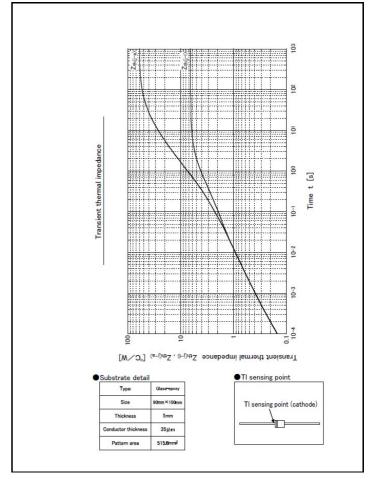










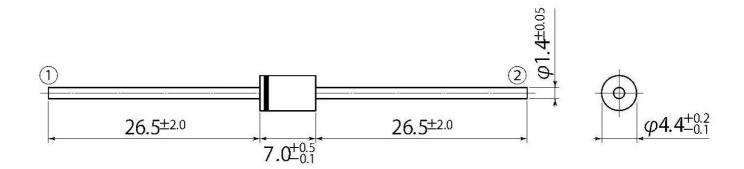


unit:mm

scale: 2/1

Α7

JEDEC Code	_		
JEITA Code	_		
House Name	AX14		



Notes

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