

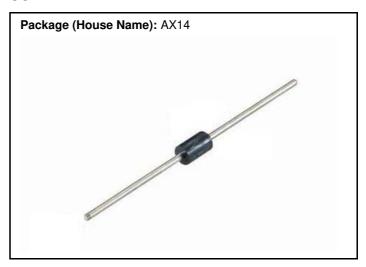
S3L20U

Fast Recovery Diodes 200V, 3A

Feature

- · High Recovery Speed
- 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		-40 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	V_{RRM}		200	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, TI=128°C	3	Α
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Ta=25°C	2.1	Α
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	60	А

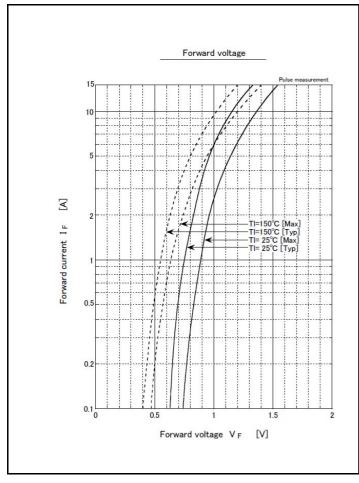
st :See the original Specifications

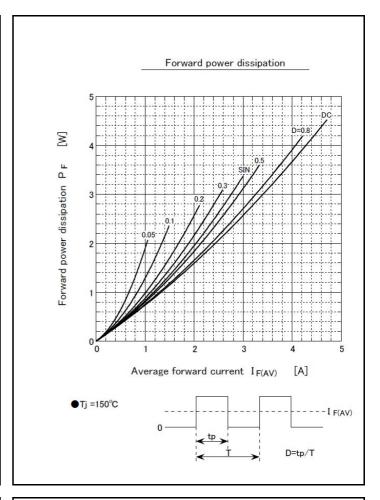
Electrical Characteristics (unless otherwise specified : TI=25°C)

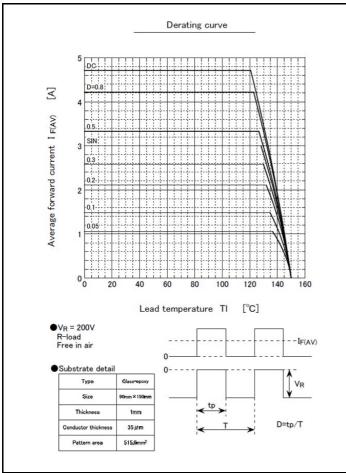
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Onne
Forward voltage	V _F	IF=2.1A, Pulse measurement			0.98	V
Reverse current	I _R	VR=200V, Pulse measurement			10	μΑ
Reverse recovery time	trr	IF=0.5A, IR=1A			35	ns
Thermal resistance	Rth(j-l)	Junction to lead			6.5	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient			60	°C/W

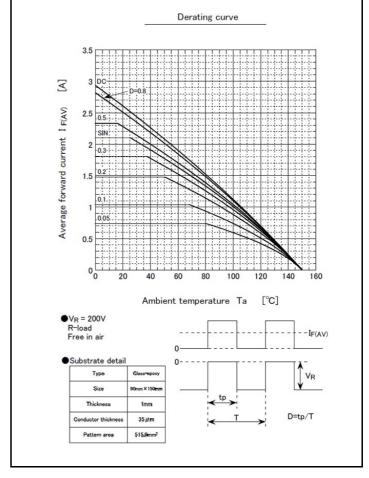
^{* :} See the original Specifications

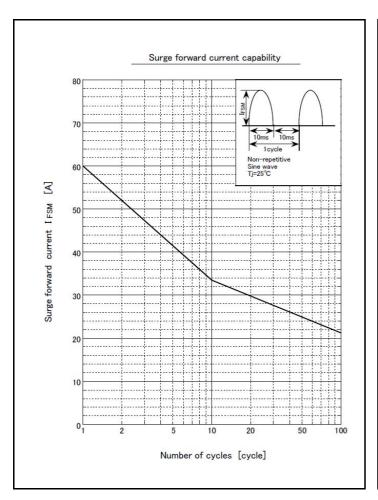
CHARACTERISTIC DIAGRAMS

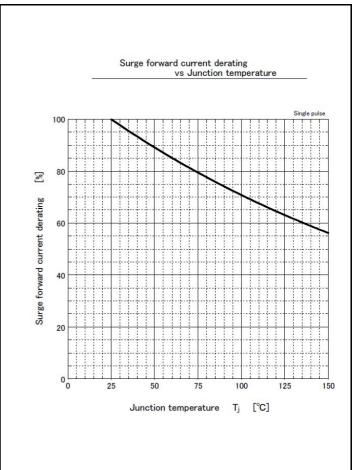


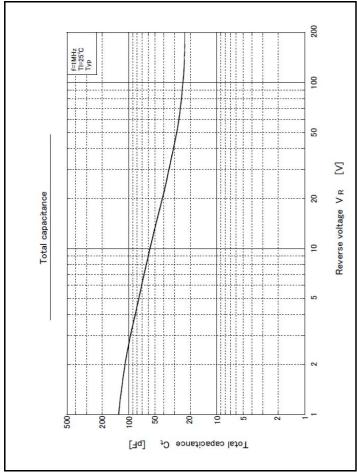










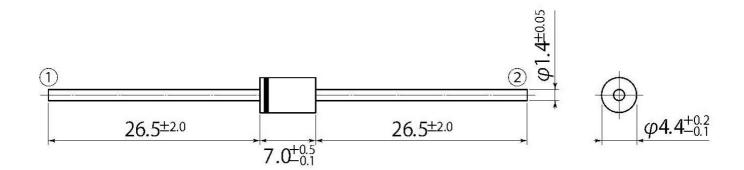


unit:mm

scale: 2/1

Α7

JEDEC Code	-		
JEITA Code	—		
House Name	AX14		



Notes

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(Special applications)

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