ShinDengen

S3L60

Fast Recovery Diodes
600V, 2.2A

Feature

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

OUTLINE

Package (House Name): AX14



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : Tl=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}		600	V
Average forward current	I_F(AV)	50Hz sine wave, Resistance load, Tl=132°C	2.2	A
Average forward current	I_F(AV)	50Hz sine wave, Resistance load, Ta=25°C	1.8	A
Surge forward current	I_{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	60	A

※ ：See the original Specifications

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

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF=2.2A, Pulse measurement			1.5	V
Reverse current	I_R	VR=600V, Pulse measurement			10	μA
Reverse recovery time	trr	IF=0.5A, IR=1A			50	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

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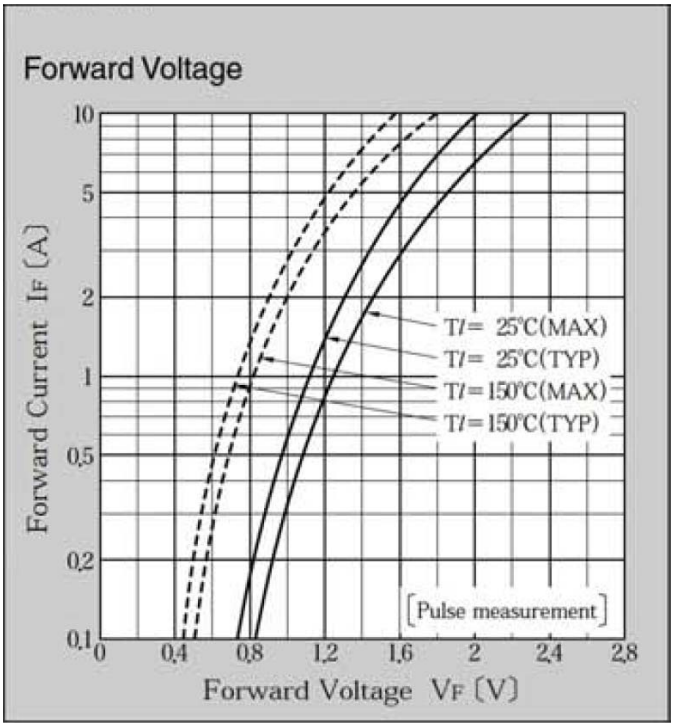
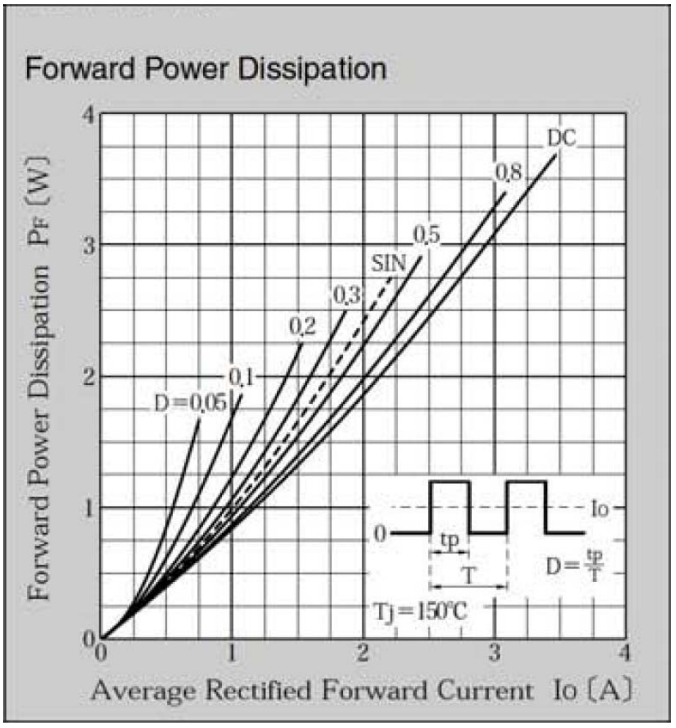
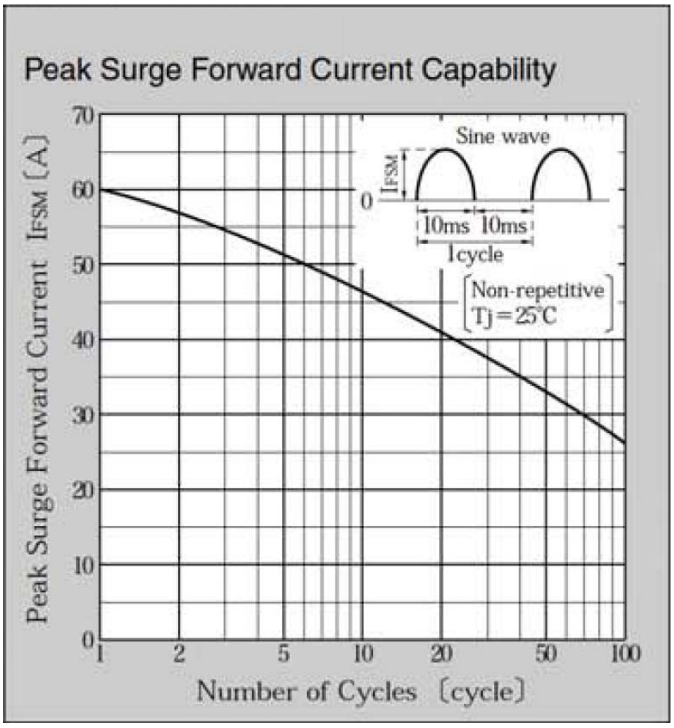
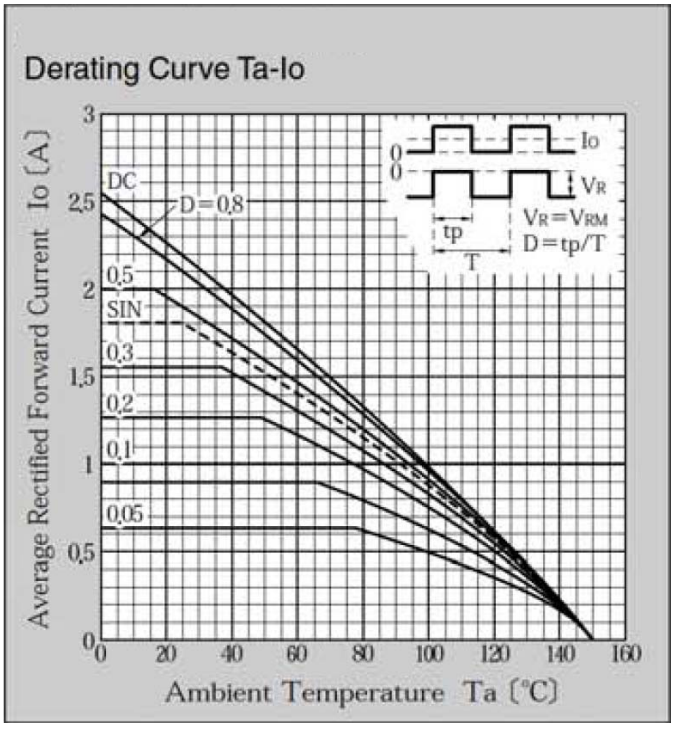
CHARACTERISTIC DIAGRAMS









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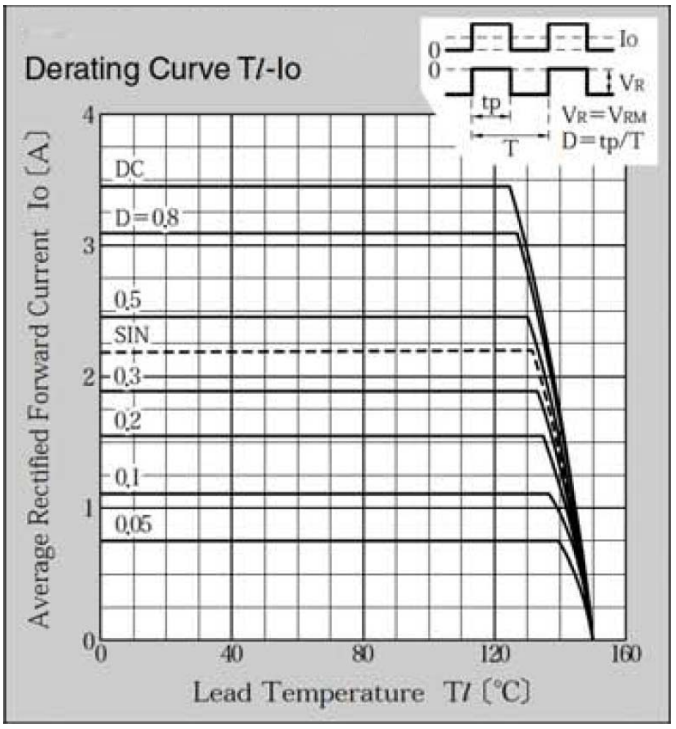

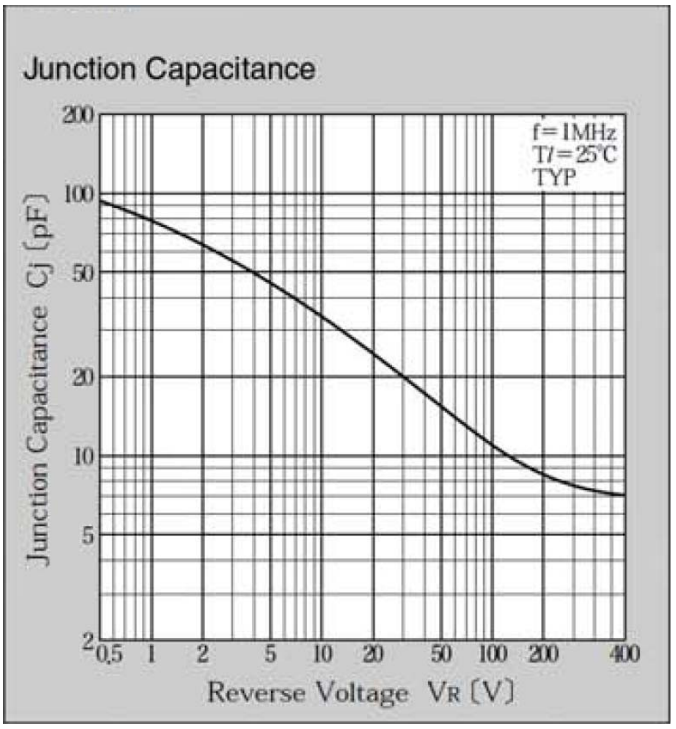

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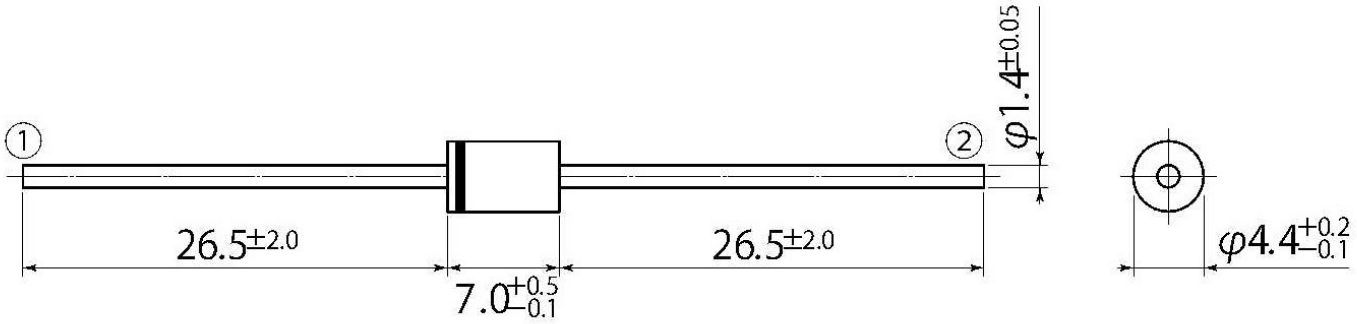
Outline Dimensions

unit:mm

scale: 2/1

A7

JEDEC Code	–
JEITA Code	–
House Name	AX14



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Notes

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