

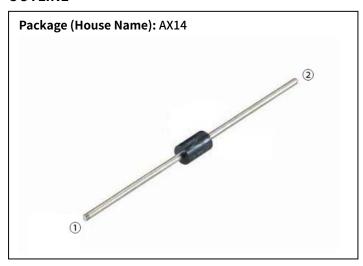
# S3V60

# General Rectifying Diodes 600V, 3.5A

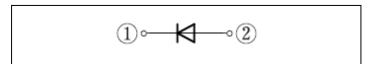
#### **Feature**

- High Voltage
- Pb free terminal
- RoHS:Yes

#### **OUTLINE**



# **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		-55 to 150	°C
Repetitive peak reverse voltage	V <sub>RRM</sub>		600	V
Average forward current	I <sub>F</sub> (AV)	50Hz sine wave, Resistance load, 20×20×1mm copper heatsink, On glass-epoxy substrate, Ta=40°C **	3.5	А
Average forward current	I <sub>F</sub> (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Without heatsink, Ta=40°C **		А
Surge forward current	I <sub>FSM</sub>	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	120	
Current squared time	I <sup>2</sup> t	1ms≦tp<10ms, Tj=25°C	60	A <sup>2</sup> s

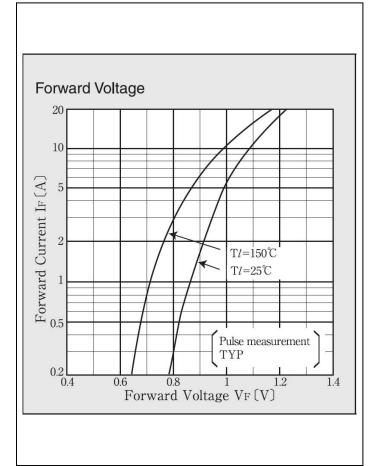
 $\divideontimes$  : See the original Specifications

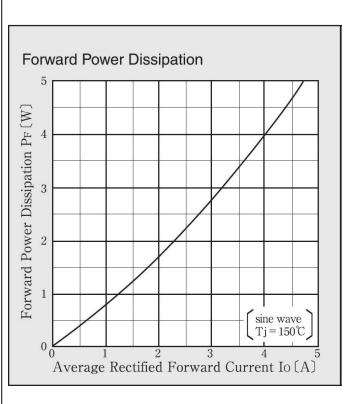
# **Electrical Characteristics** (unless otherwise specified : Tl=25°C)

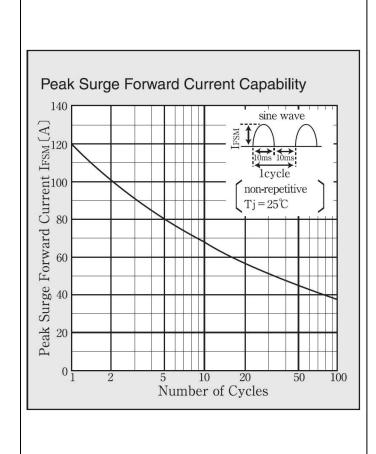
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Offic
Forward voltage	$V_{F}$	IF=2.6A, Pulse measurement			1.05	٧
Reverse current	I <sub>R</sub>	VR=600V, Pulse measurement			10	μΑ
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate **			6.5	°C/W

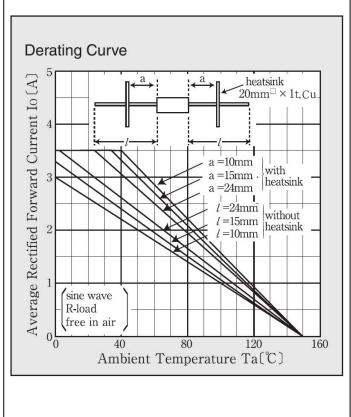
 $<sup>\</sup>divideontimes$  : See the original Specifications

### **CHARACTERISTIC DIAGRAMS**







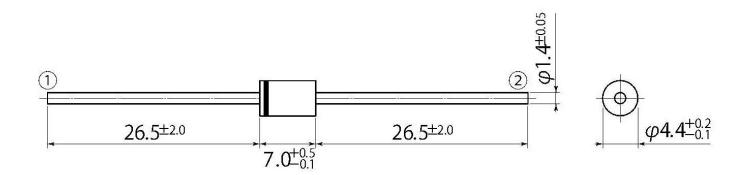


# unit:mm

scale: 2/1

**A7** 

JEDEC Code	-
JEITA Code	_
House Name	AX14



#### **Notes**

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