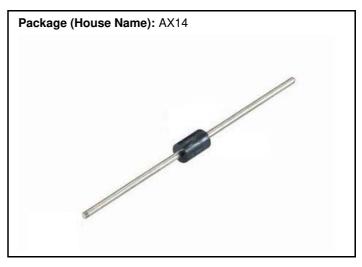
# **D3S6M**

Schottky Barrier Diodes 60V, 3A

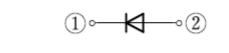
## Feature

- High Recovery Speed
- $\bullet \ Low \ V_F$
- Pb free terminal
- RoHS:Yes

## OUTLINE



## **Equivalent circuit**



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

Item Symbol Cor		Conditions	Ratings	Unit	
Storage temperrature	Tstg		-40 to 150	°C	
Junction temperature	Tj		-40 to 150	°C	
Repetitive peak reverse voltage	V <sub>RRM</sub>		60	V	
Repetitive peak surge reverse voltage	V <sub>RRSM</sub>	Pulse width 0.5ms, duty=1/40	65	v	
Average forward current	I <sub>F</sub> (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, TI=133°C *	3	А	
Average forward current	I <sub>F</sub> (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=57°C	1.8	A	
Surge forward current	I <sub>FSM</sub>	50Hz sine wave, Non-repetitive, 1cycle, Peak value, Tj=125°C	80	A	
Repetitive peak surge reverse power	P <sub>RRSM</sub>	Pulse width 10μs, Tj=25°C	330	w	

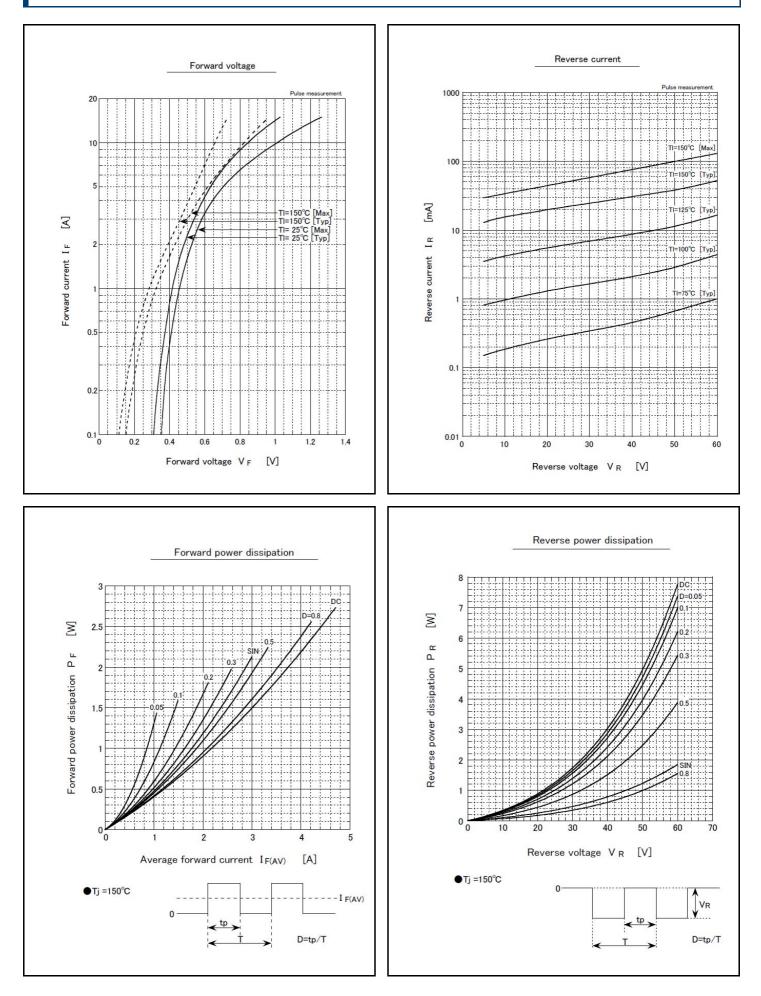
\* : See the original Specifications

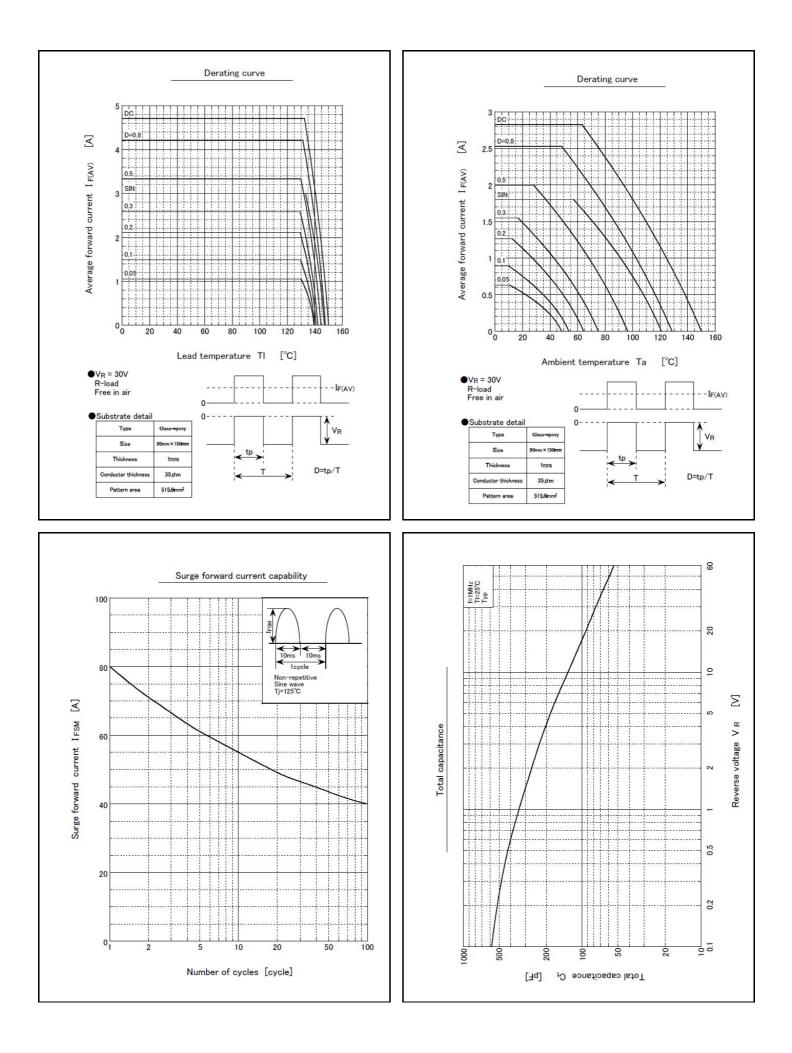
<b>Electrical Characteristics</b>	(unless otherwise specified : TI=25°C)
	(

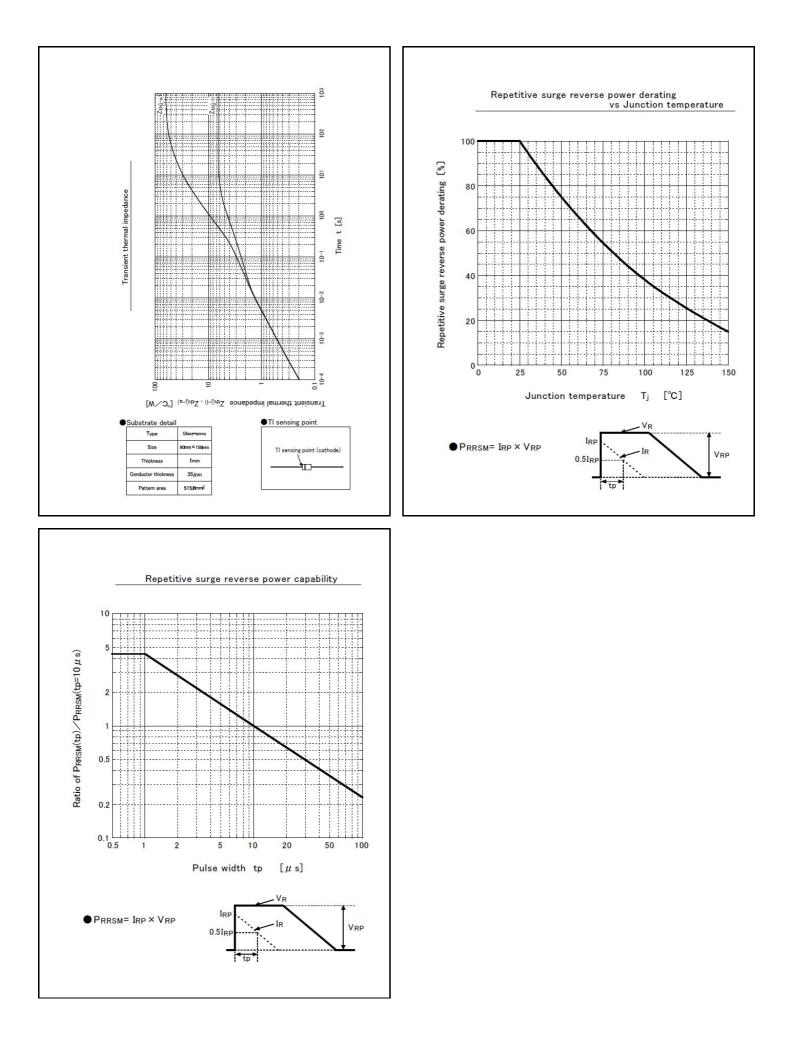
Item	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	onit
Forward voltage	V <sub>F</sub>	IF=3A, Pulse measurement			0.58	V
Reverse current	I <sub>R</sub>	VR=60V, Pulse measurement			2.5	mA
Total capacitance	Ct	f=1MHz, VR=10V		130		pF
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate *			6.5	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate *			62	°C/W

\*:See the original Specifications

## CHARACTERISTIC DIAGRAMS



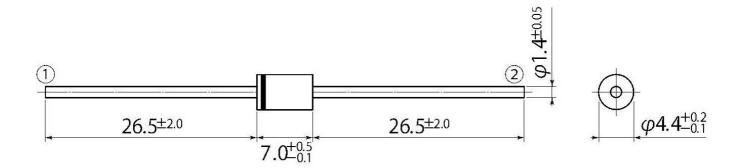




unit:mm

scale: 2/1

A7	JEDEC Code	
	JEITA Code	
	House Name	AX14



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