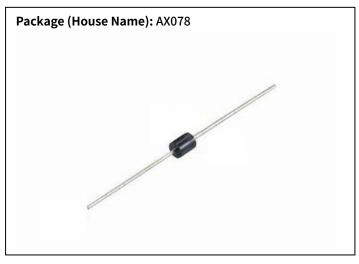
D2S4M

Schottky Barrier Diodes 40V, 2A

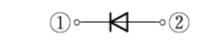
Feature

- High Recovery Speed
- $\boldsymbol{\cdot} \operatorname{Low} V_{F}$
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

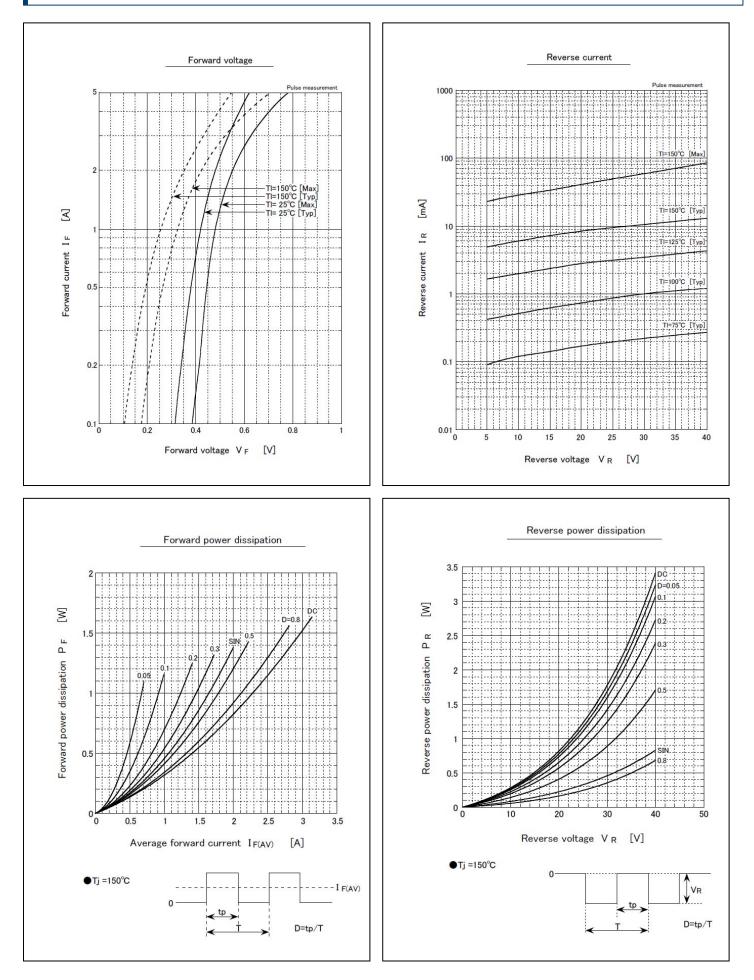
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	°C
Junction temperature	Tj		-40 to 150	°C
Repetitive peak reverse voltage	V _{RRM}		40	v
Repetitive peak surge reverse voltage	V _{RRSM}	Pulse width 0.5ms, duty=1/40	45	v
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Tl=122°C ※	2	Α
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Ta=36°C ※	1.5	Α
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive, 1cycle, Peak value, Tj=25°C	60	A
Repetitive peak surge reverse power	P _{RRSM}	Pulse width 10µs, Tj=25°C	160	w

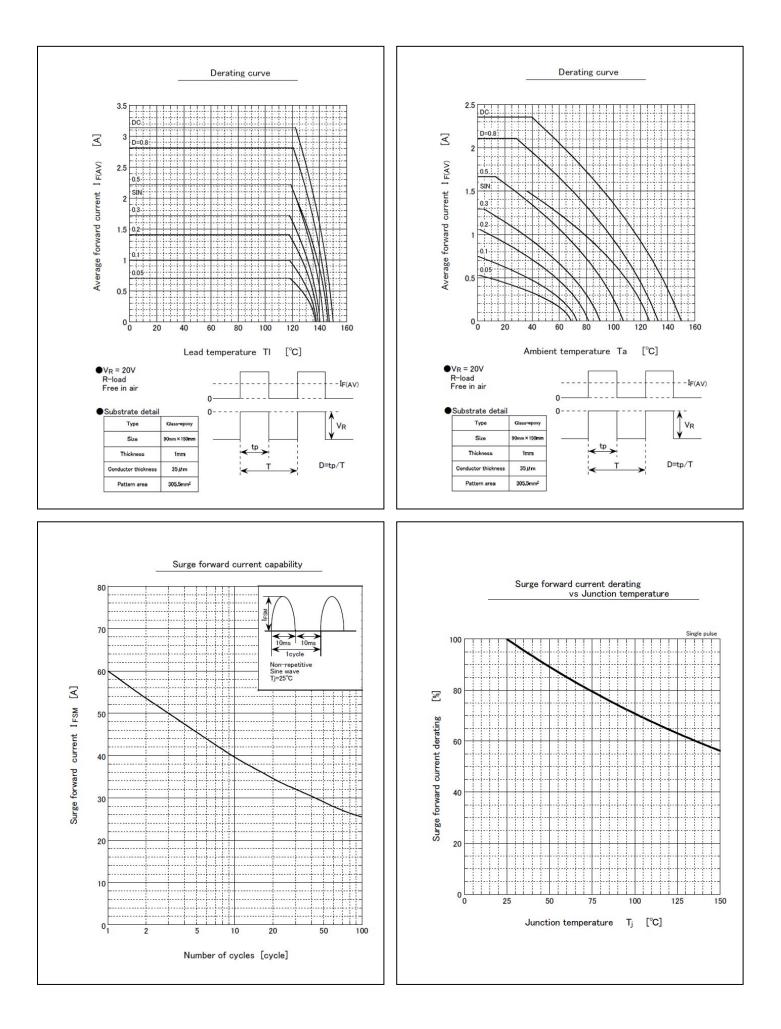
※ ∶See the original Specifications

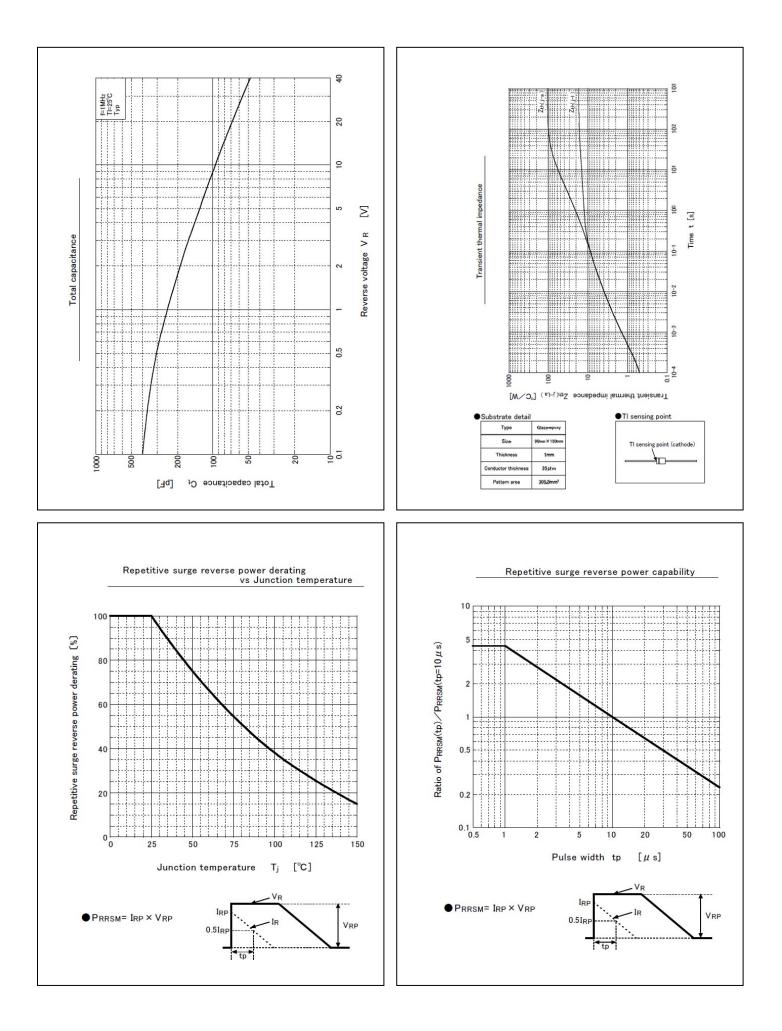
Electrical Characteristics (unless otherwise specified : Tl=25°C)									
Item	Complete	Conditions	Ratings						
	Symbol		MIN	ТҮР	МАХ	Unit			
Forward voltage	V _F	IF=2A, Pulse measurement			0.55	V			
Reverse current	I _R	VR=40V, Pulse measurement			2	mA			
Total capacitance	Ct	f=1MHz, VR=10V		95		pF			
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate ※			17	°C/W			
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate ※			105	°C/W			

* : See the original Specifications

CHARACTERISTIC DIAGRAMS



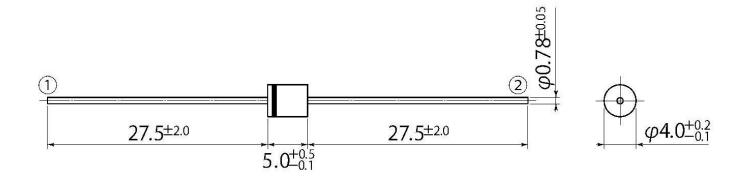




unit:mm

scale: 2/1

A4	JEDEC Code	-	
	JEITA Code	—	
	House Name	AX078	



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[Special applications]

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[Specific applications]

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