

D2S6M

Schottky Barrier Diodes

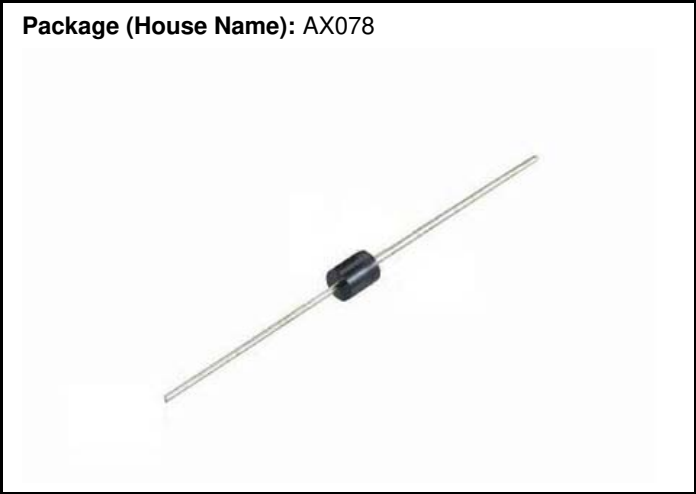
60V, 2A

Feature

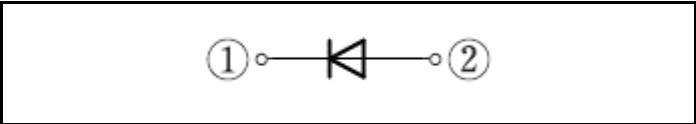
- High Recovery Speed
- Low V_F
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): AX078



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		150	°C
Repetitive peak reverse voltage	VRRM		60	V
Repetitive peak surge reverse voltage	VRRSM	Pulse width 0.5ms, duty=1/40	65	V
Average forward current	IF(AV)	50Hz sine wave, Resistance load, With heatsink, Tl=119°C	2	A
Average forward current	IF(AV)	50Hz sine wave, Resistance load, With heatsink, Ta=25°C	1.2	A
Surge forward current	IFSM	50Hz sine wave, Non-repetitive, 1cycle, Peak value, Tj=25°C	60	A
Repetitive peak surge reverse power	PRRSM	Pulse width 10μs, Tj=25°C	330	W

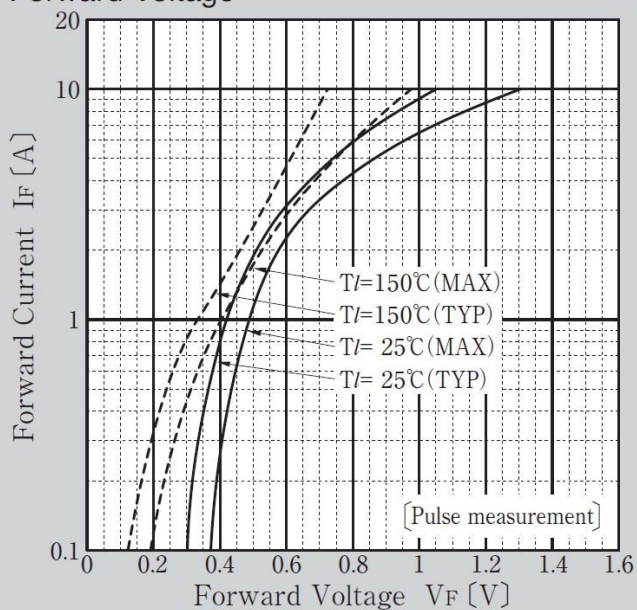
※ :See the original Specifications

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

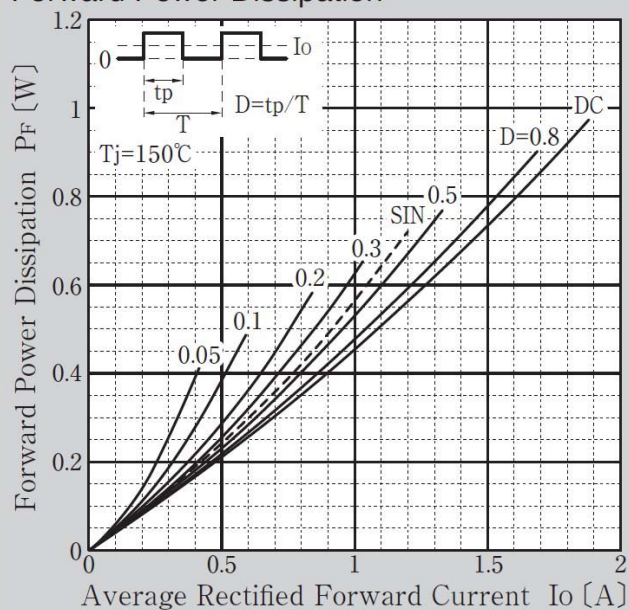
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	$I_F=2A$, Pulse measurement			0.58	V
Reverse current	I_R	$V_R=60V$, Pulse measurement			2	mA
Total capacitance	C_t	$f=1MHz$, $V_R=10V$		90		pF
Thermal resistance	$R_{th(j-l)}$	Junction to lead			17	°C/W
Thermal resistance	$R_{th(j-a)}$	Junction to ambient			105	°C/W

※ :See the original Specifications

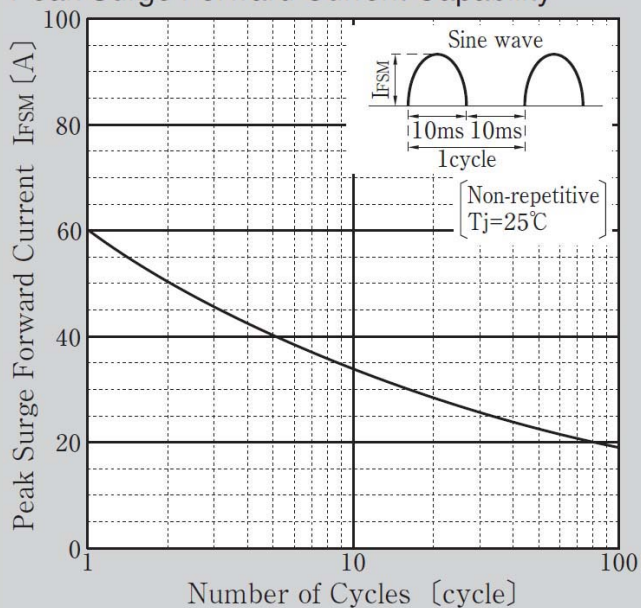
Forward Voltage



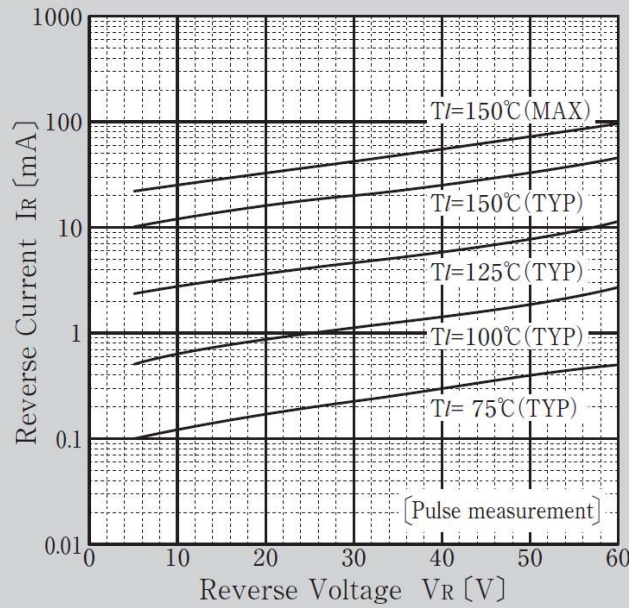
Forward Power Dissipation

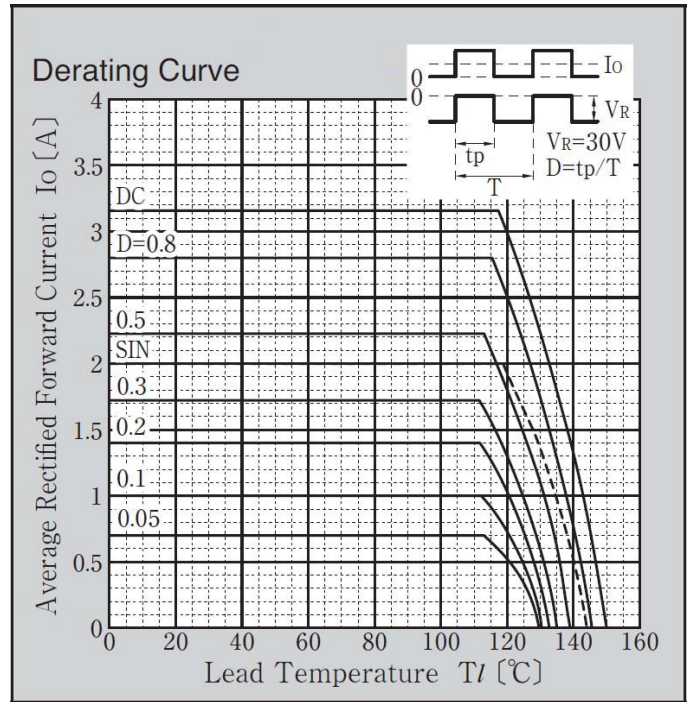
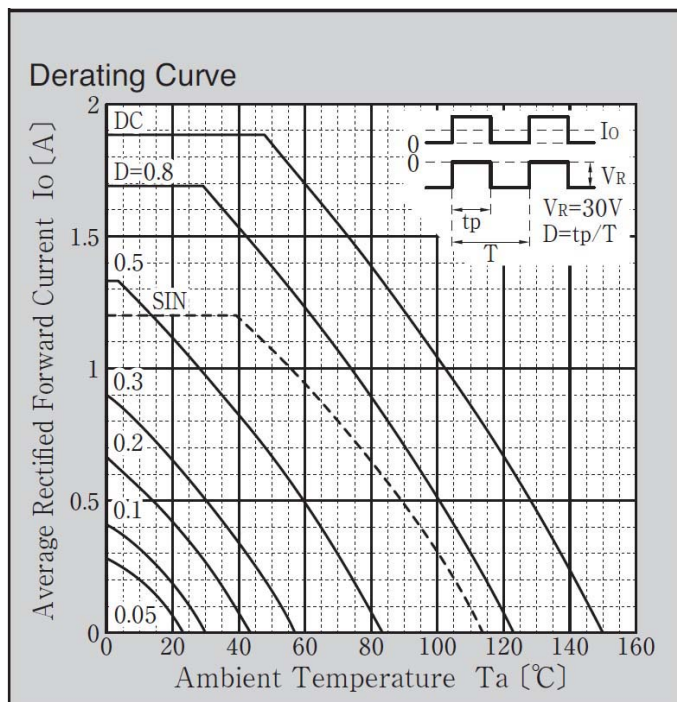
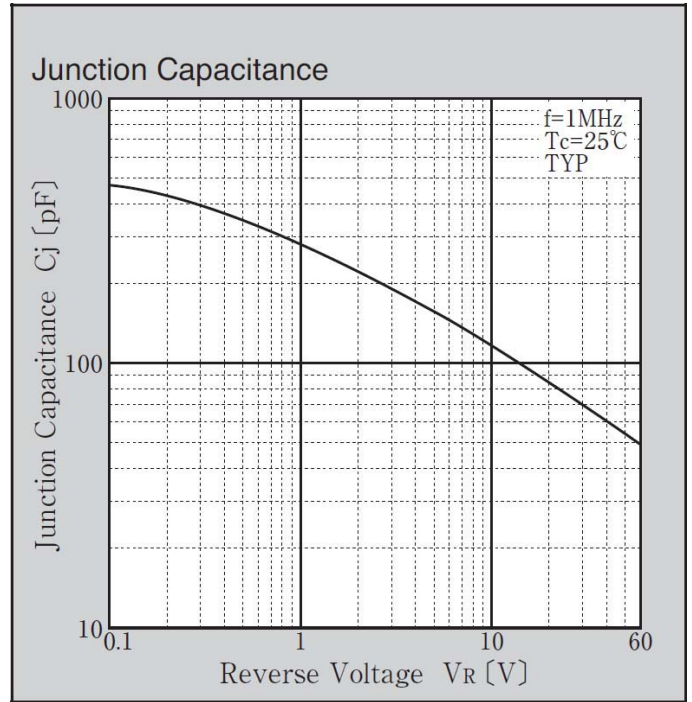
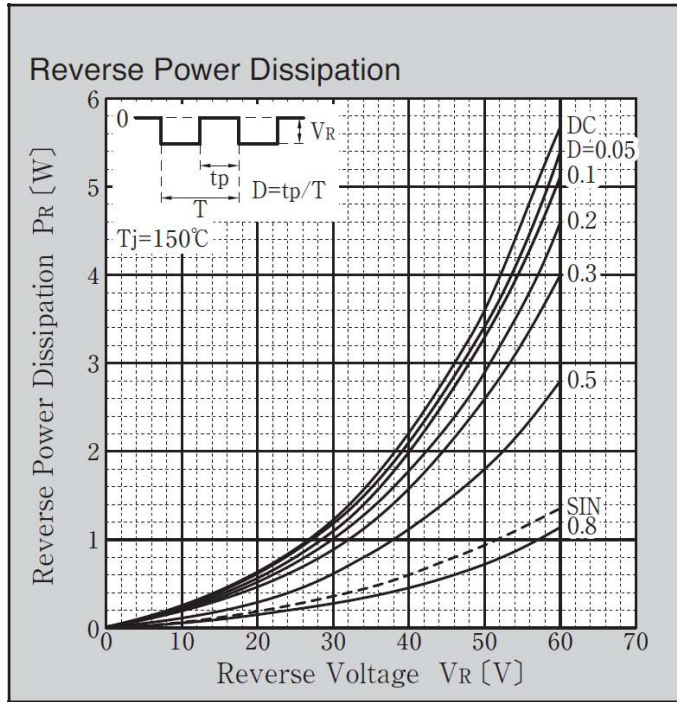


Peak Surge Forward Current Capability

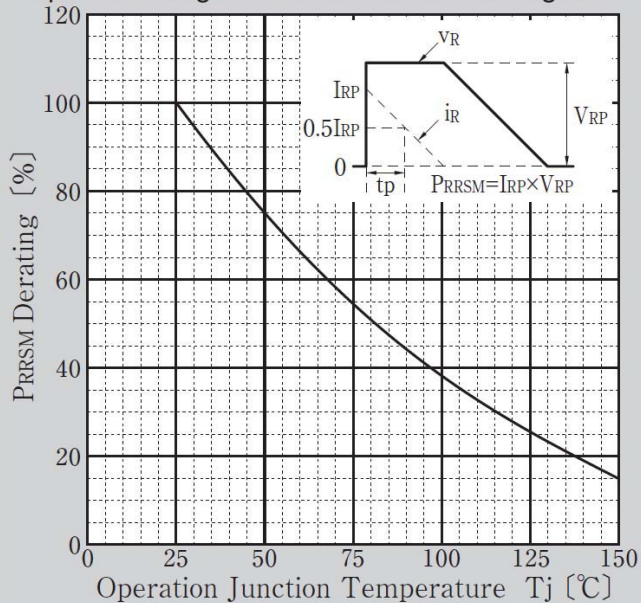


Reverse Current

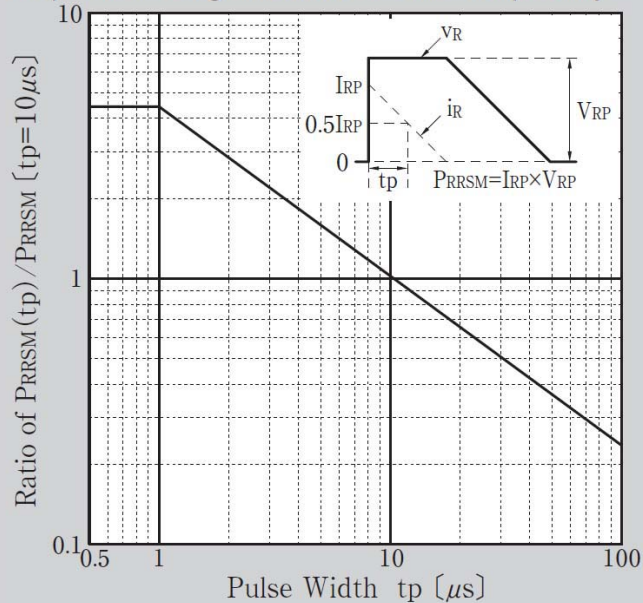




Repetitive Surge Reverse Power Derating Curve

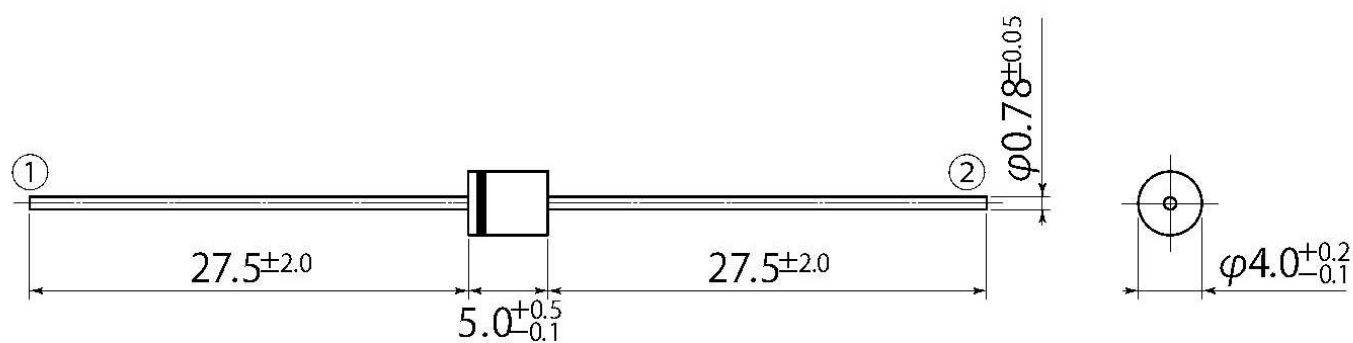


Repetitive Surge Reverse Power Capability



A4

JEDEC Code	—
JEITA Code	—
House Name	AX078



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