

D2L20U
Fast Recovery Diodes
200V, 1.5A

- Feature
- High Recovery Speed
 - 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		-40 to 150	°C
Repetitive peak reverse voltage	V _{RRM}		200	V
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, On glass-epoxy substrate, Tl=125°C ※	1.5	A
Average forward current	I _{F(AV)}	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C ※	1.3	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle, Peak value, Tj=25°C	40	A

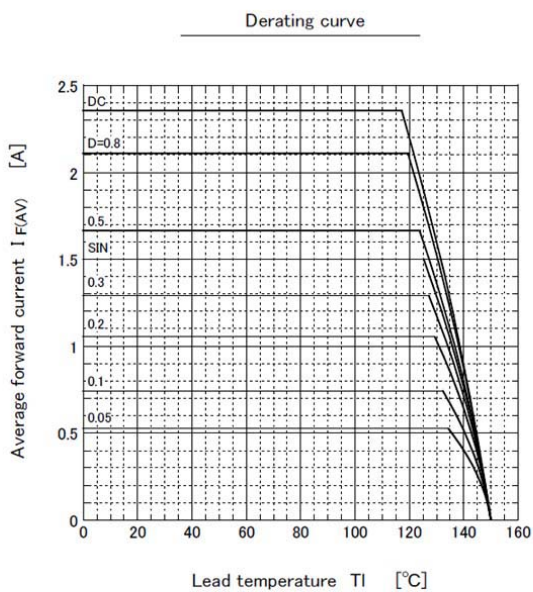
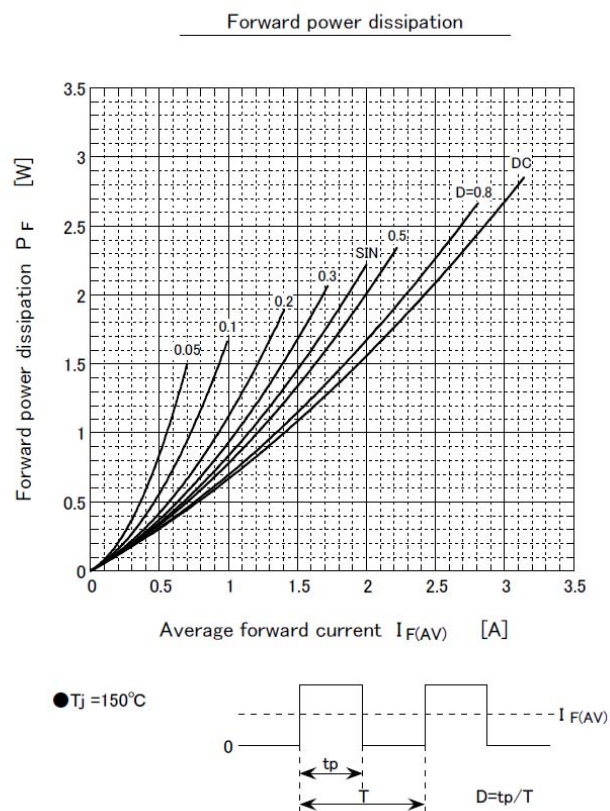
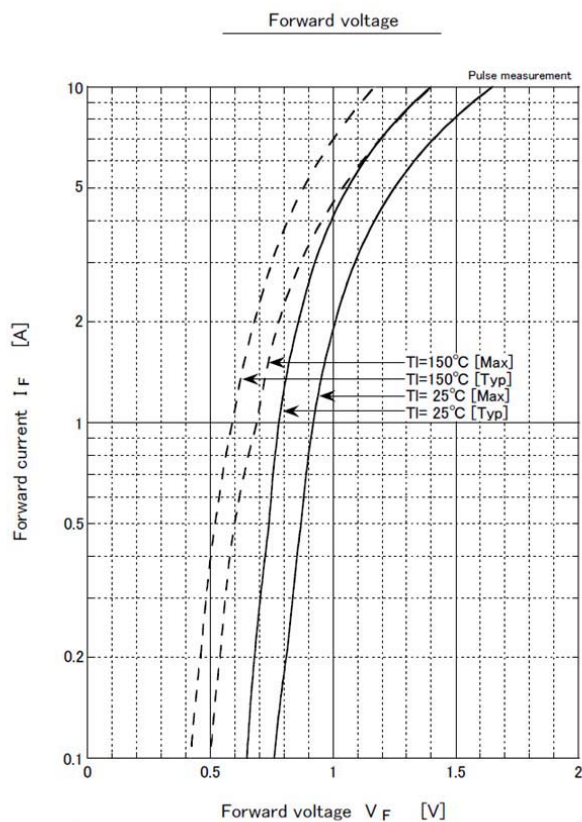
※ : See the original Specifications

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

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	IF=1.5A, Pulse measurement			0.98	V
Reverse current	I_R	VR=200V, Pulse measurement			10	μA
Reverse recovery time	trr	IF=0.5A, IR=1.0A, 0.1IR			35	ns
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

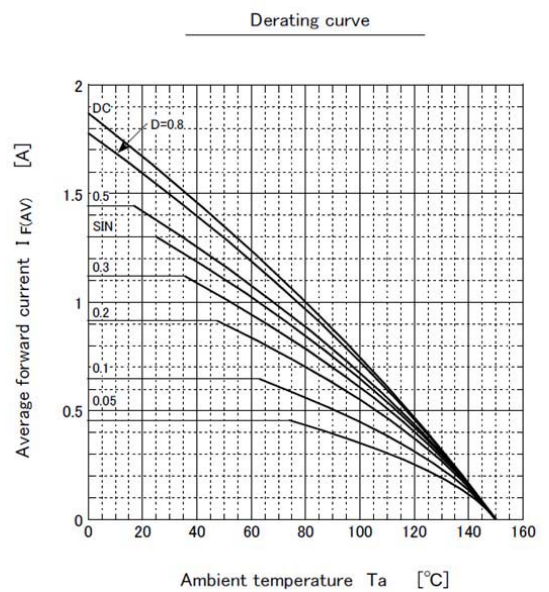
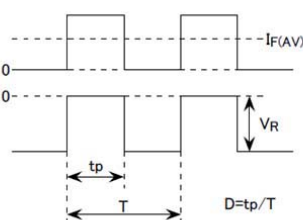
CHARACTERISTIC DIAGRAMS



● $V_R = 200\text{V}$
R-load
Free in air

● Substrate detail

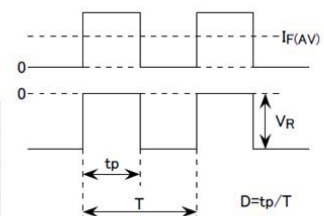
Type	Glass-epoxy
Size	90mm X 150mm
Thickness	1mm
Conductor thickness	35 μm
Pattern area	305.5mm ²

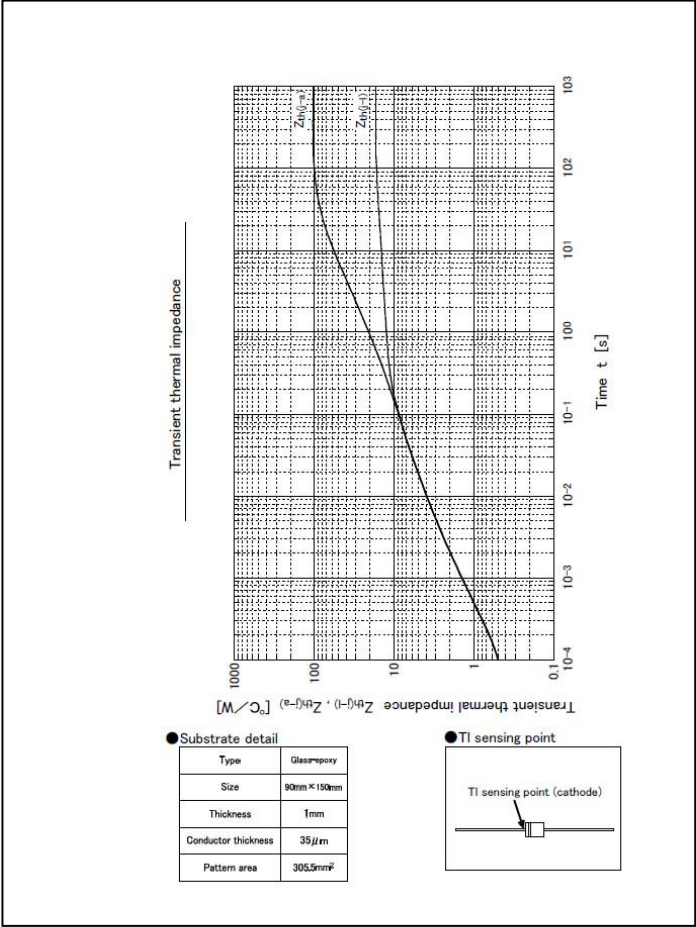
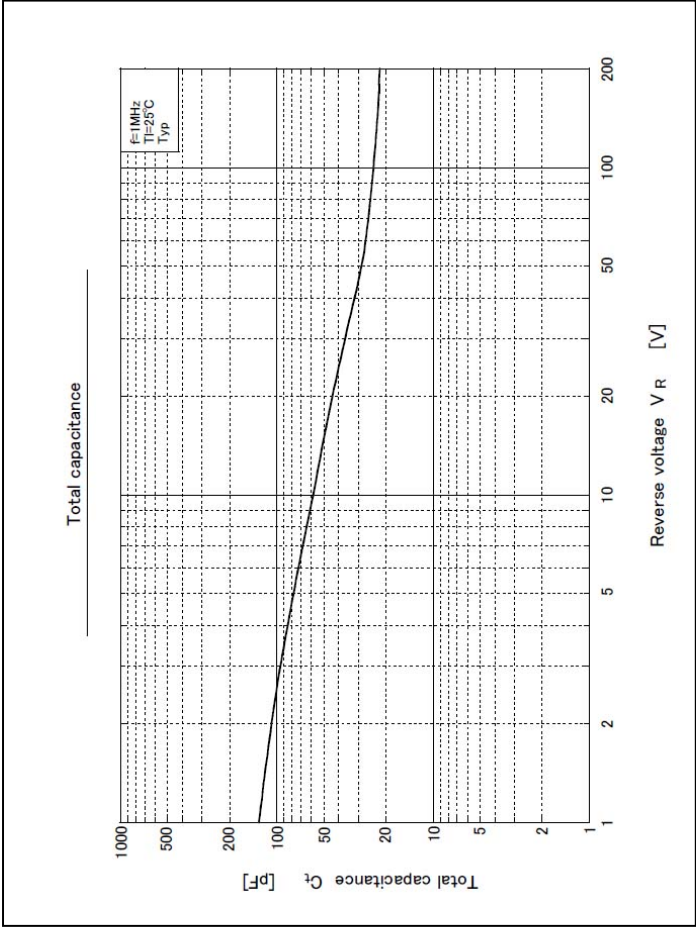
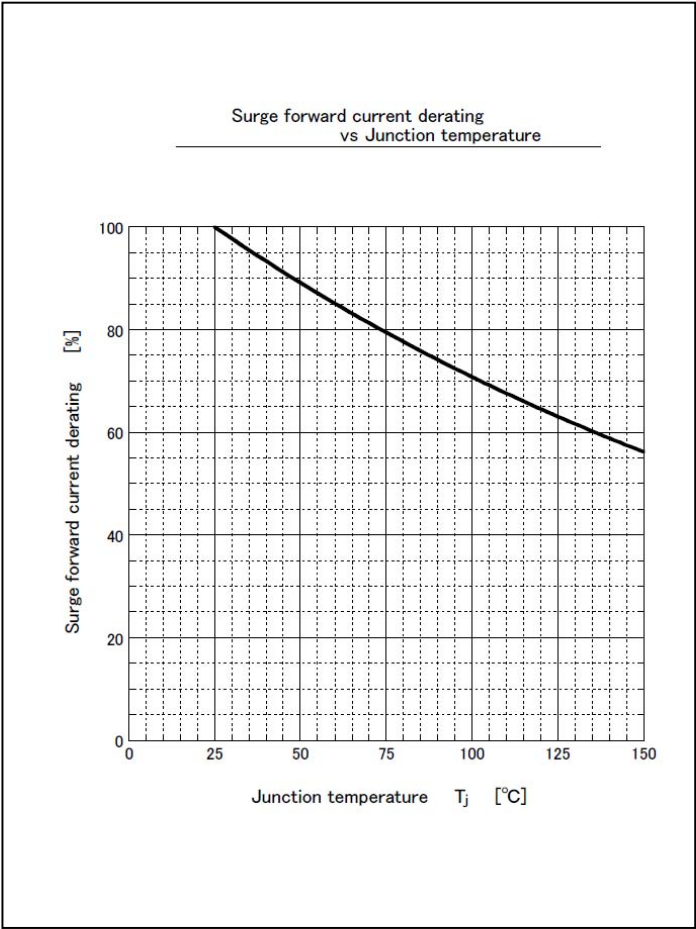
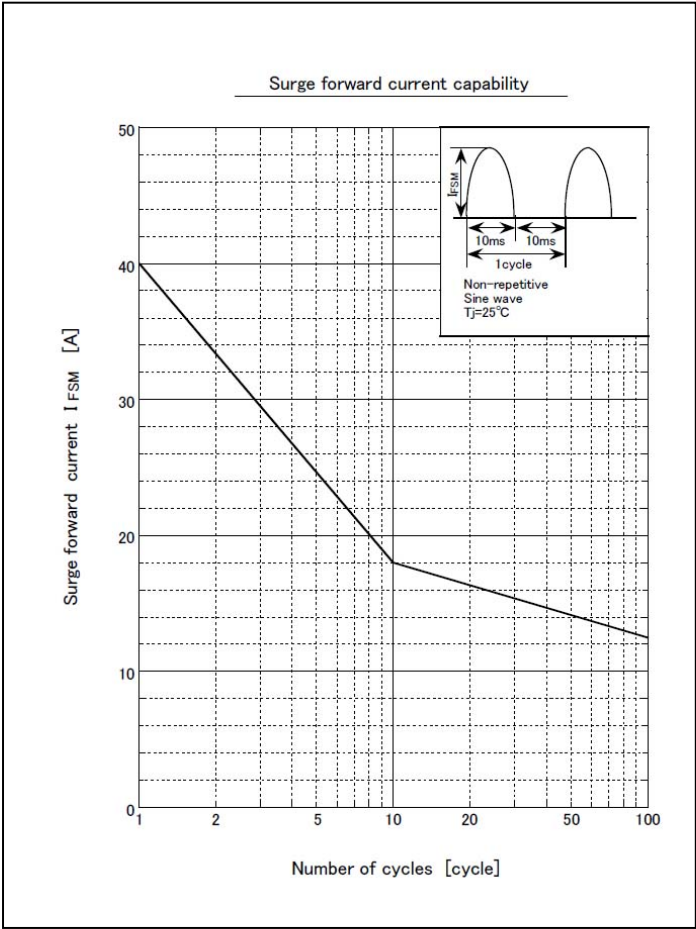


● $V_R = 200\text{V}$
R-load
Free in air

● Substrate detail

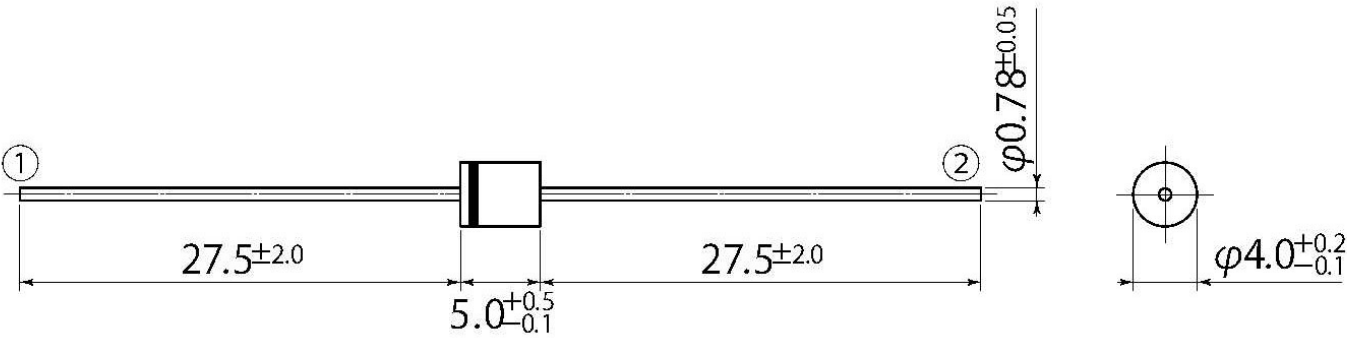
Type	Glass-epoxy
Size	90mm X 150mm
Thickness	1mm
Conductor thickness	35 μm
Pattern area	305.5mm ²





A4

JEDEC Code	—
JEITA Code	—
House Name	AX078



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