

SHINDENGEN

Super Fast Recovery Rectifiers

Single

D2L40

400V 2A

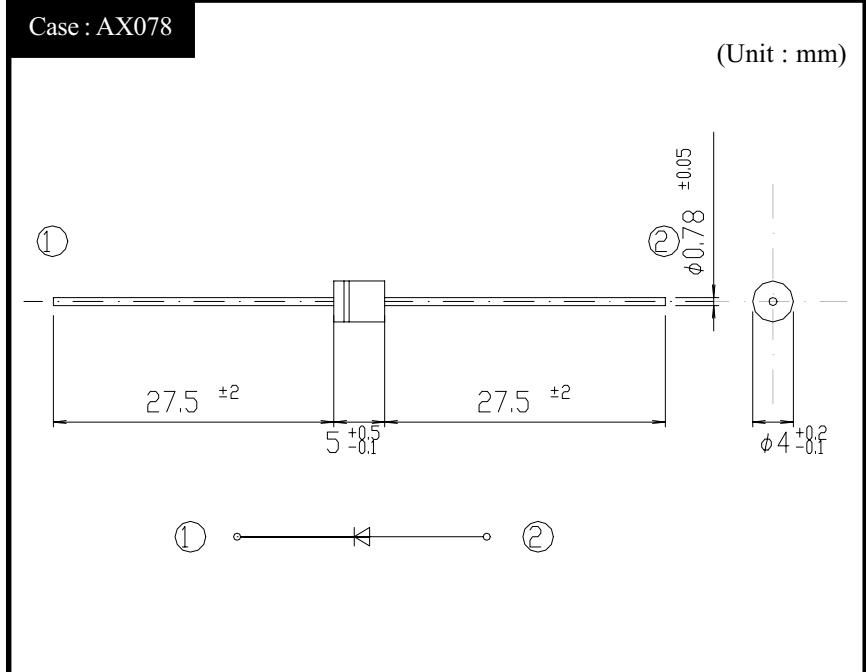
FEATURES

- Low noise
- trr50ns
- Applicable to Automatic Insertion

APPLICATION

- Switching power supply
- Free Wheel
- Home Appliances,
Office Equipment
- Telecommunication,
Factory Automation

OUTLINE DIMENSIONS



RATINGS

● Absolute Maximum Ratings (If not specified $T_I=25^\circ\text{C}$)

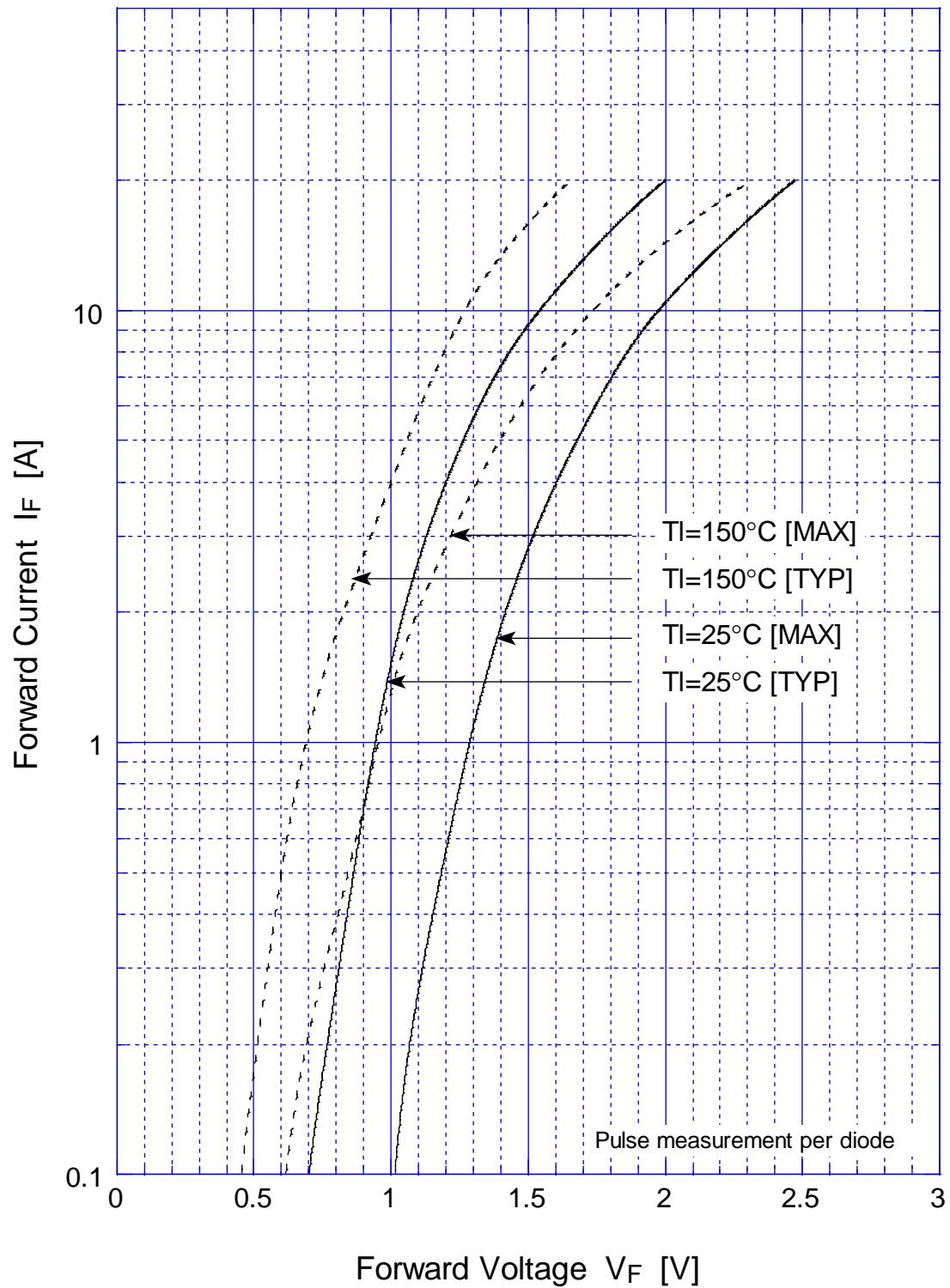
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T_{stg}		-55~150	$^\circ\text{C}$
Operating Junction Temperature	T_j		150	$^\circ\text{C}$
Maximum Reverse Voltage	V_{RM}		400	V
Average Rectified Forward Current	I_O	50Hz sine wave, R-load, $T_I=108^\circ\text{C}$	1.5	A
Peak Surge Forward Current	I_{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, $T_j=25^\circ\text{C}$	40	A

● Electrical Characteristics (If not specified $T_I=25^\circ\text{C}$)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V_F	$I_F=1.1\text{A}$, Pulse measurement	Max.1.3	V
Reverse Current	I_R	$V_R=400\text{V}$, Pulse measurement	Max.10	μA
Reverse Recovery Time	trr	$I_F=0.5\text{A}$, $I_R=1\text{A}$	Max.50	ns
Thermal Resistance	θ_{jl}	junction to lead	Max.17	$^\circ\text{C}/\text{W}$
	θ_{ja}	junction to ambient	Max.105	

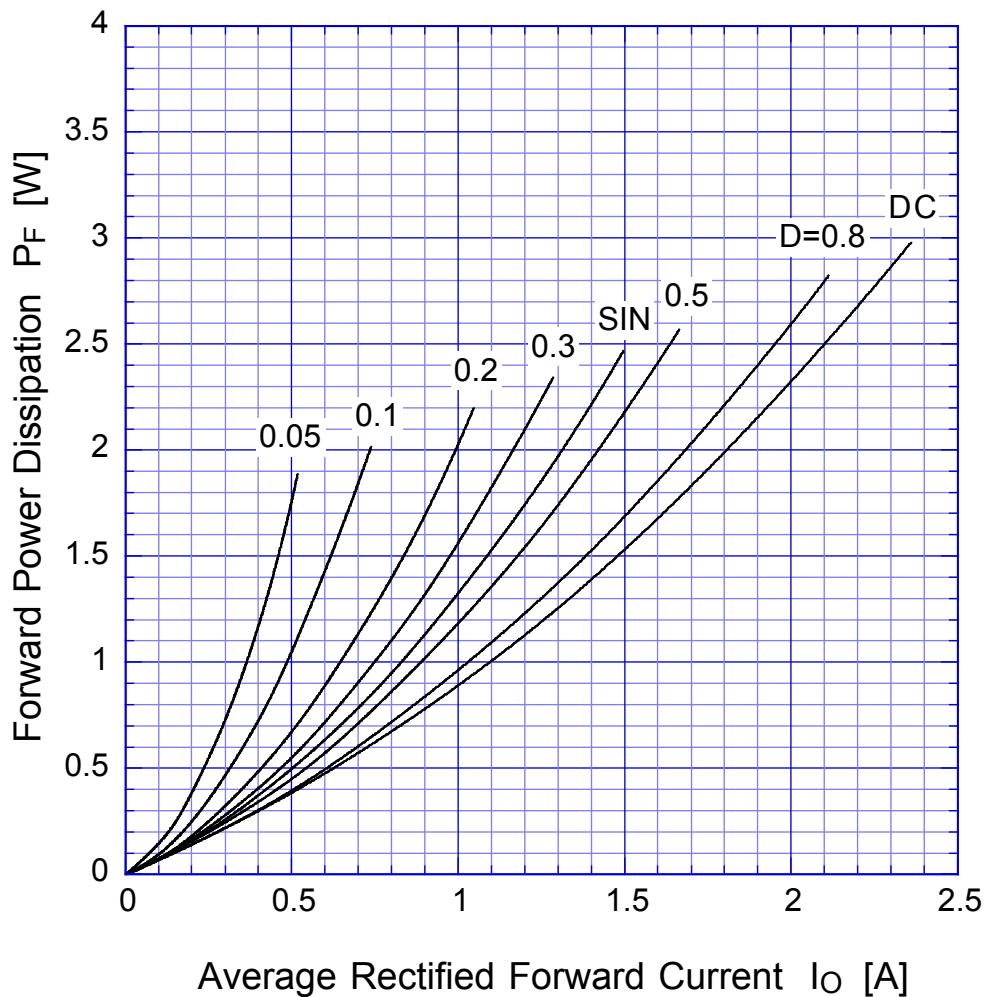
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Forward Voltage

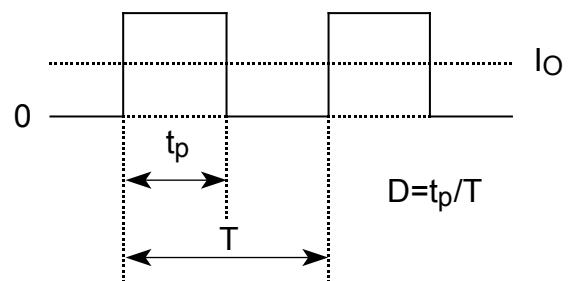


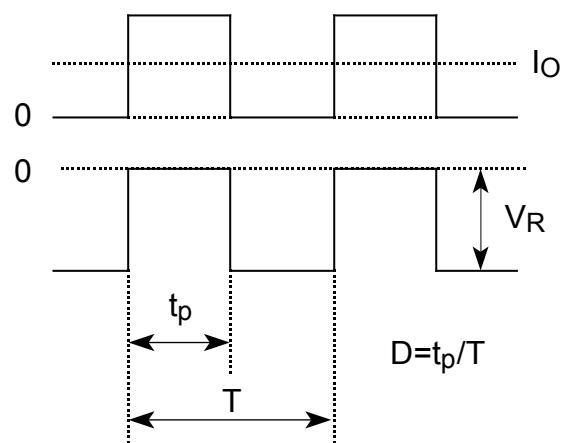
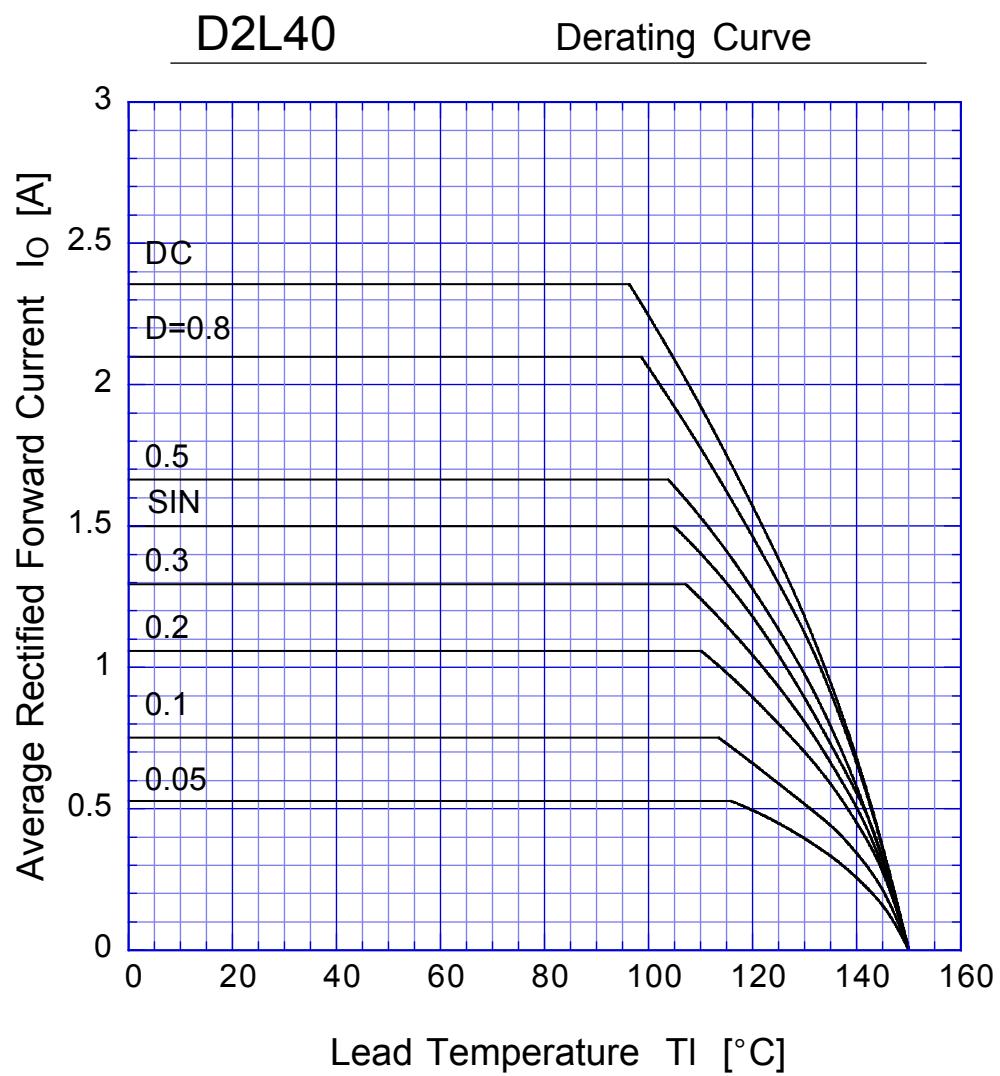
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Forward Power Dissipation



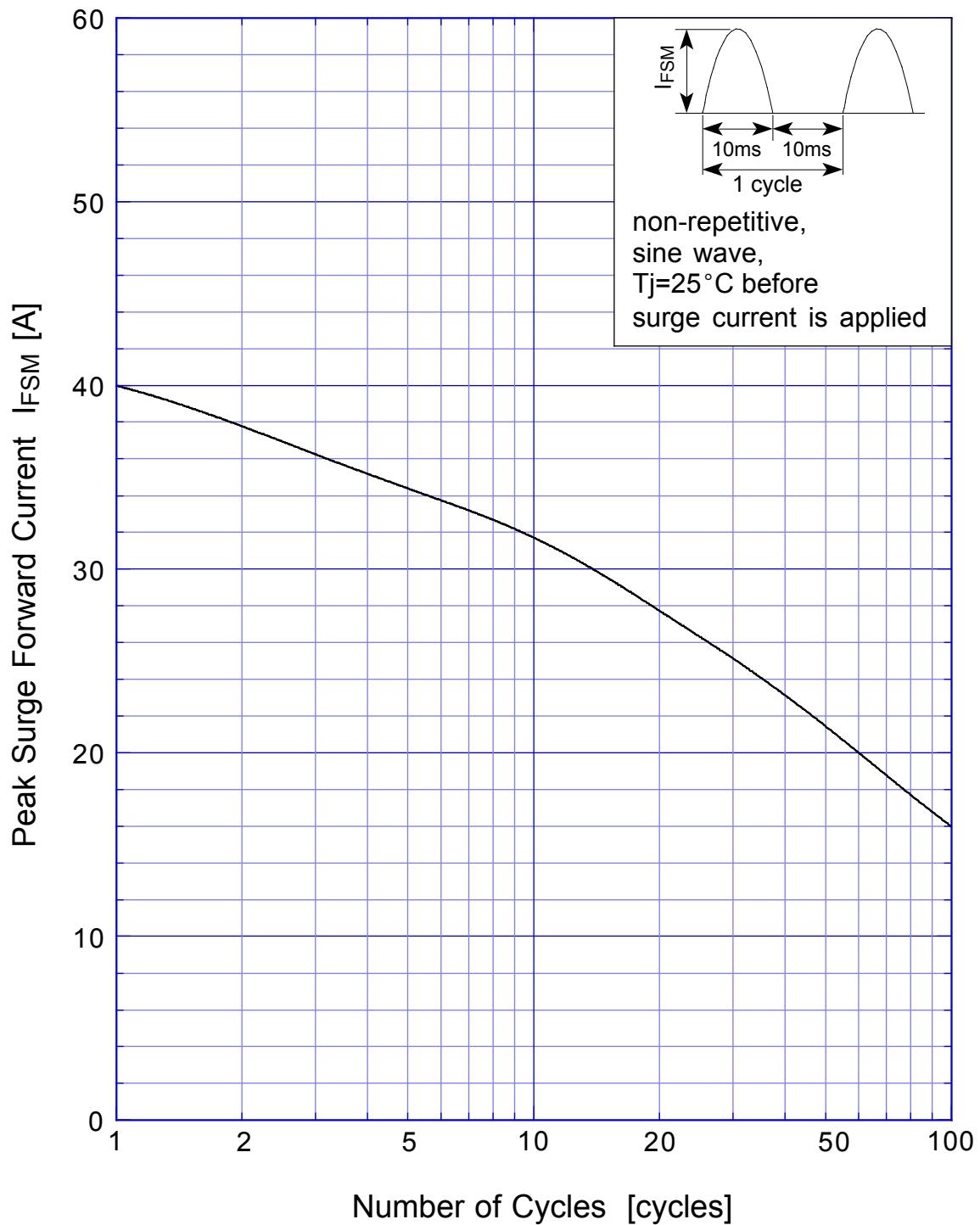
$T_j = 150^\circ\text{C}$





D2L40

Peak Surge Forward Capability



D2L40 Junction Capacitance

