

# SHINDENGEN

## Super Fast Recovery Rectifiers

Single

# D2L20U

## 200V 1.5A

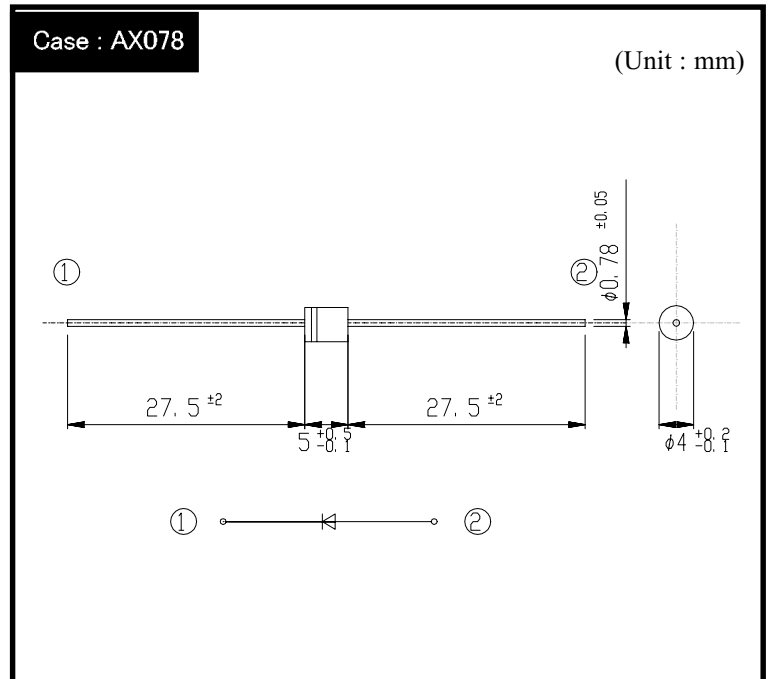
### FEATURES

- Low noise
- trr35ns
- 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 Tl=25°C)

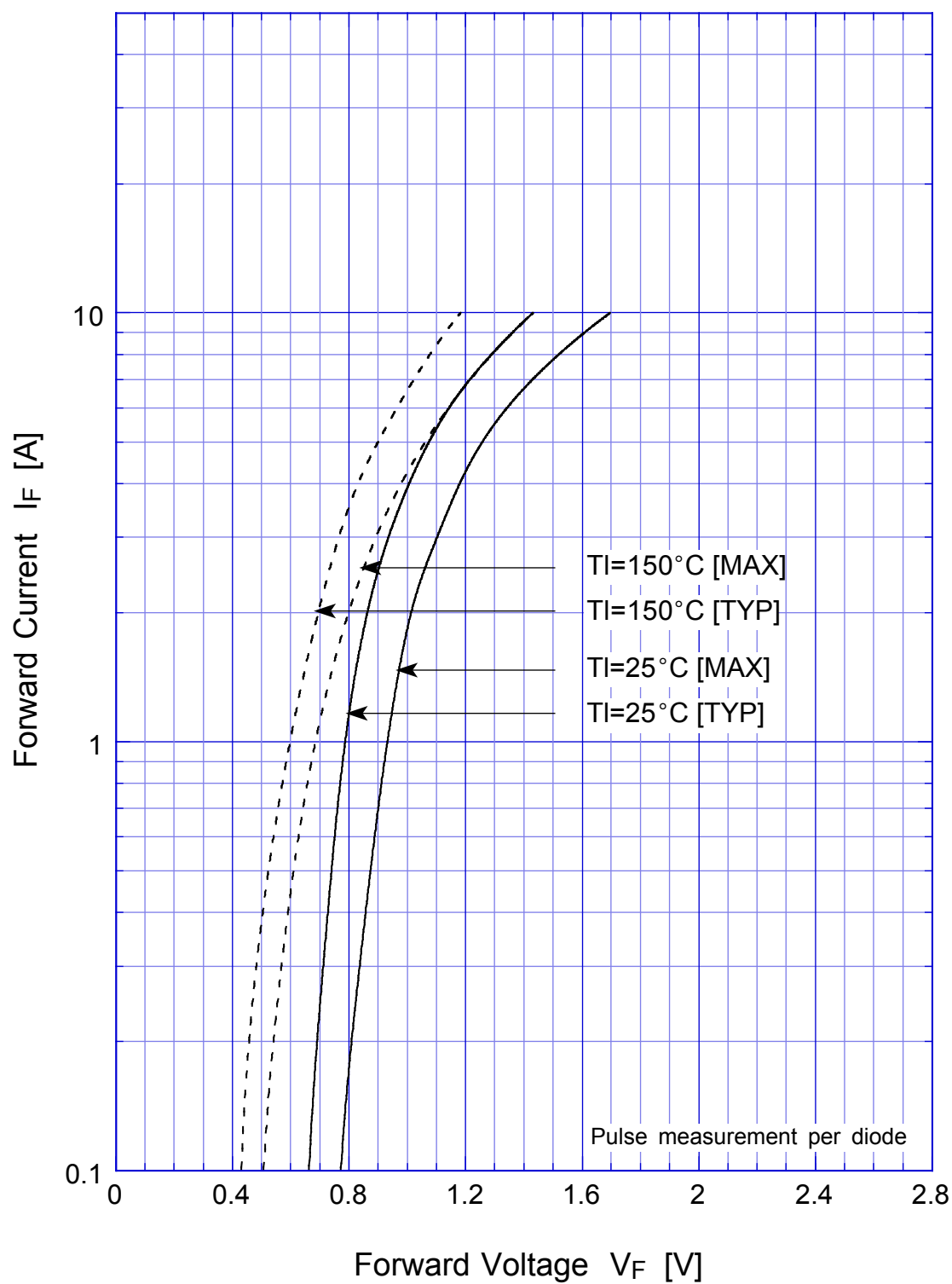
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-40~150	°C
Operating Junction Temperature	Tj		150	°C
Maximum Reverse Voltage	VRM		200	V
Average Rectified Forward Current	IO	50Hz sine wave, R-load, Tl=125°C	1.5	A
Peak Surge Forward Current	IFSM	50Hz sine wave, R-load, Ta=25°C	1.3	
		50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	40	A

#### ● Electrical Characteristics (If not specified Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	VF	IF=1.5A, Pulse measurement	Max.0.98	V
Reverse Current	IR	VR=VRM, Pulse measurement	Max.10	μA
Reverse Recovery Time	trr	IF=0.5A, IR=1A	Max.35	ns
Thermal Resistance	θjl	junction to lead	Max.17	°C/W
	θja	junction to ambient	Max.105	

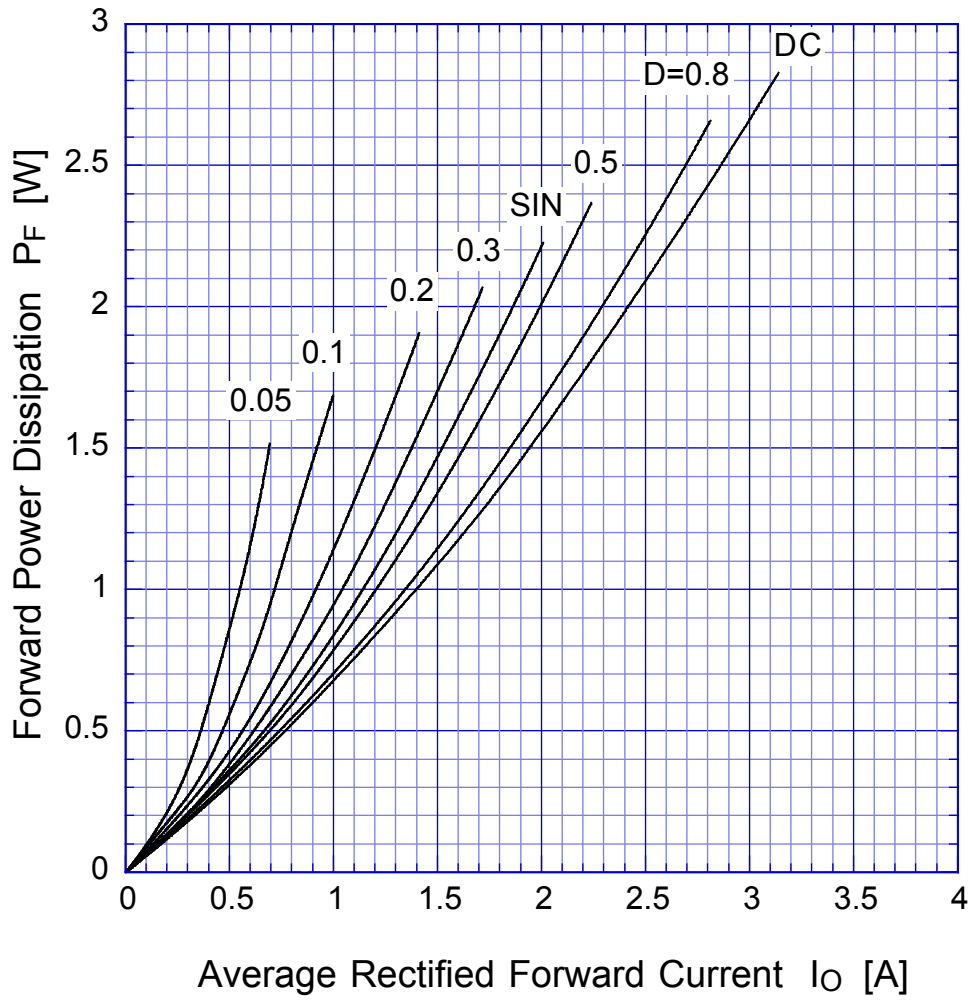
# D2L20U

## Forward Voltage

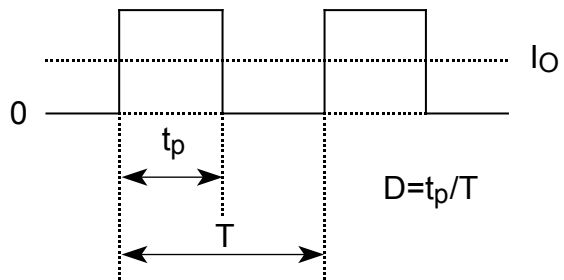


# D2L20U

## Forward Power Dissipation

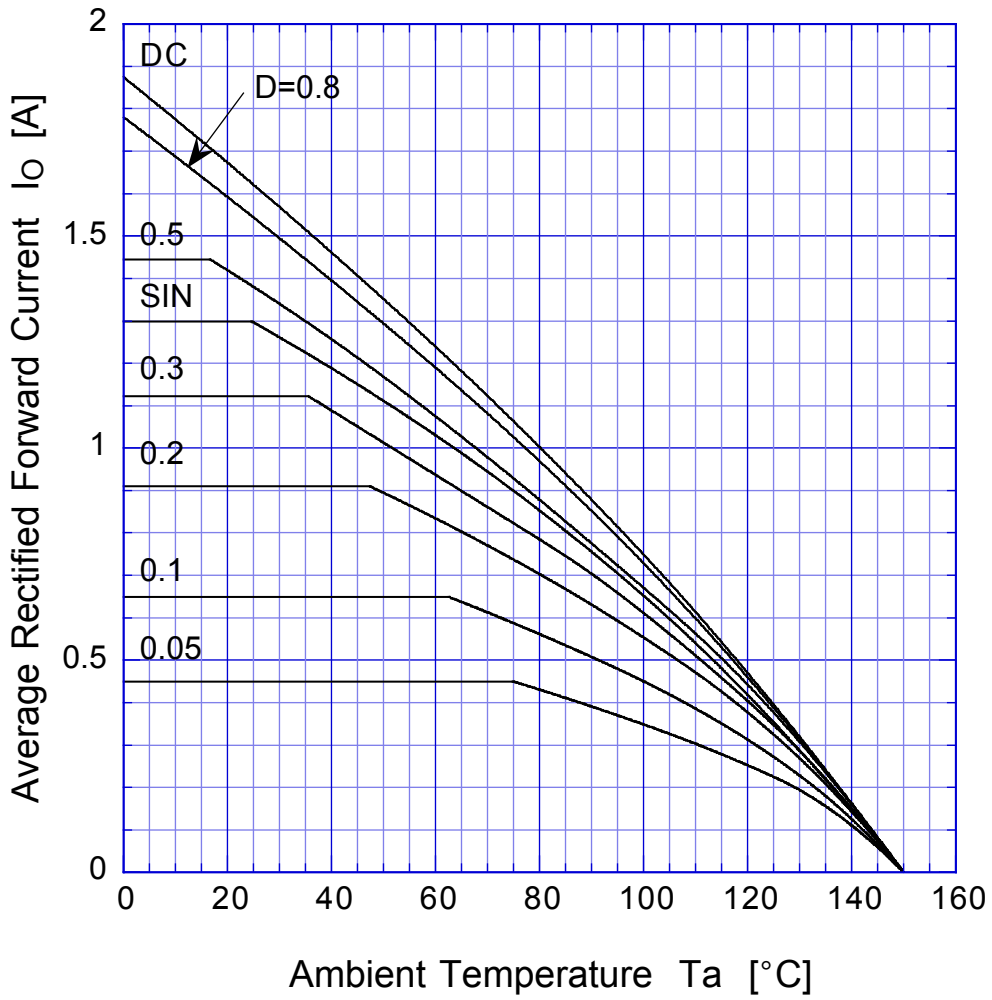


$T_j = T_{jmax}$



# D2L20U

# Derating Curve

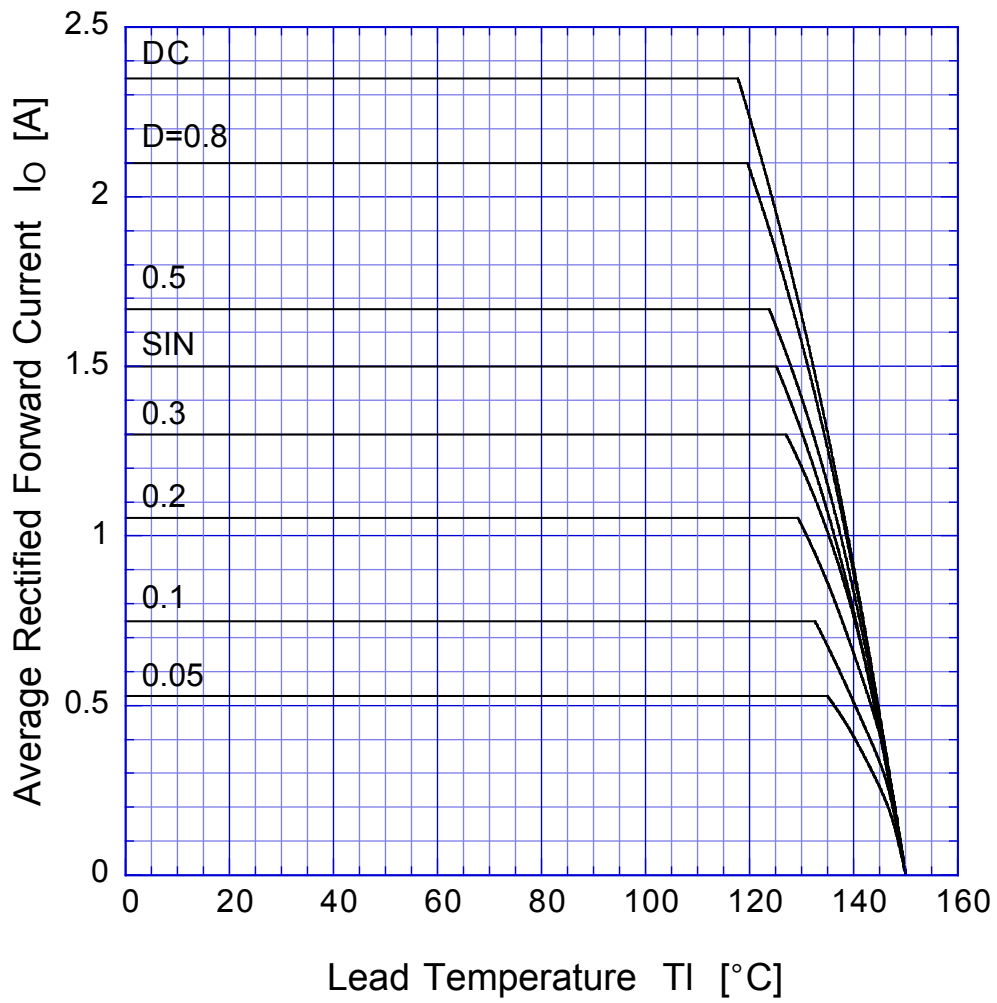


$$V_R = V_{RM}$$



# D2L20U

# Derating Curve

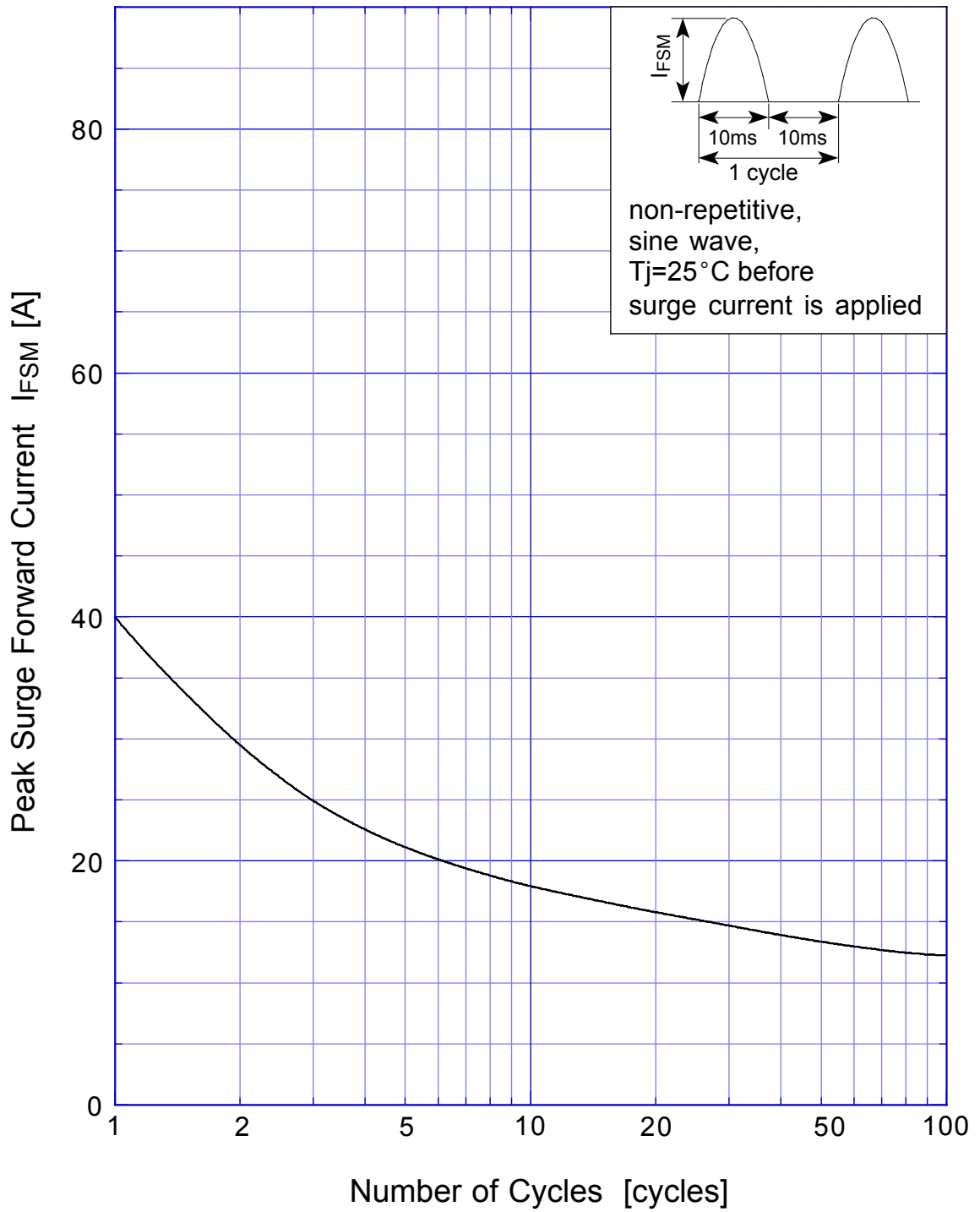


$$V_R = V_{RM}$$



# D2L20U

## Peak Surge Forward Capability



# D2L20U Junction Capacitance

