

S2L20U

200V 1.5A

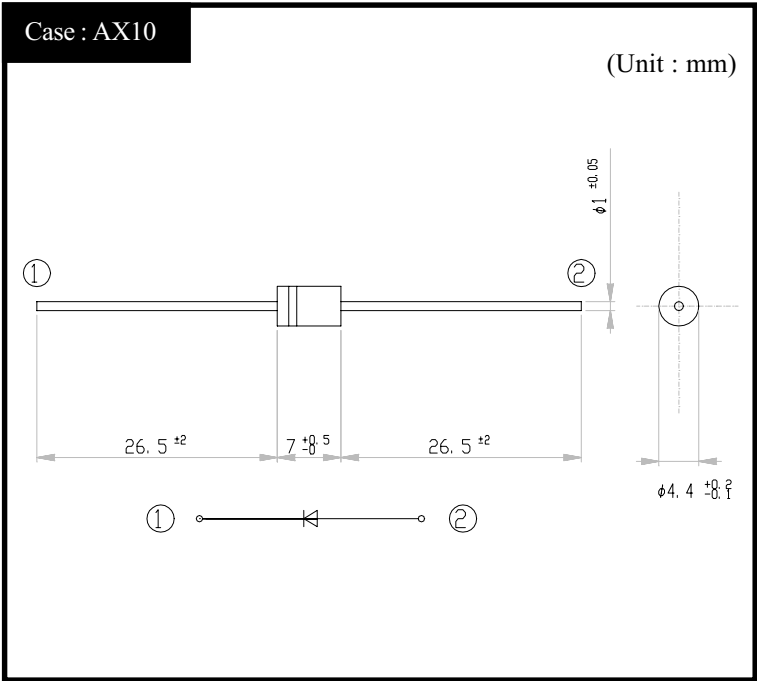
FEATURES

- Low noise
- trr35ns
- Applicable to Automatic Insertion

APPLICATION

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

OUTLINE DIMENSIONS



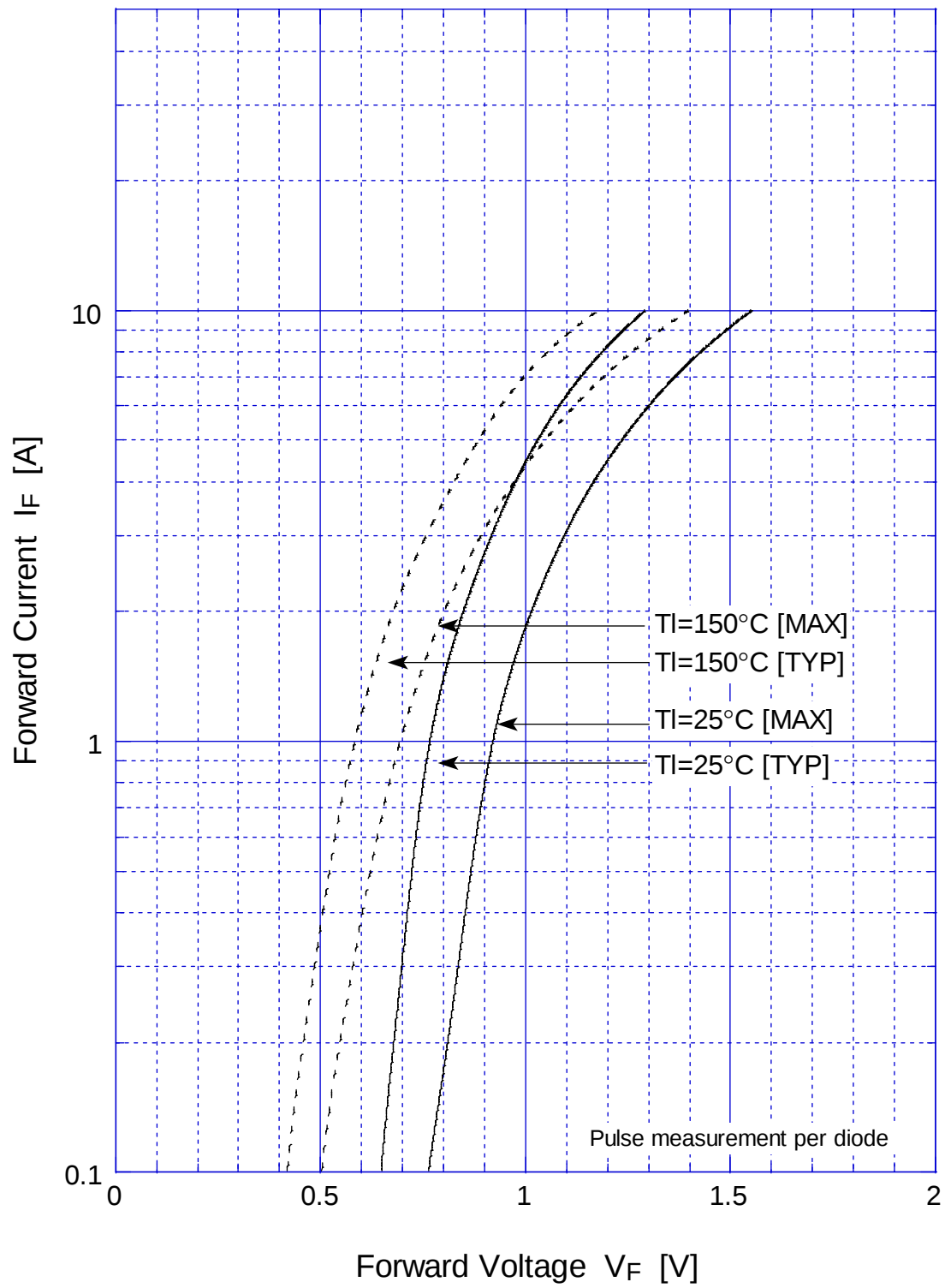
RATINGS

● Absolute Maximum Ratings (If not specified Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T stg		-40~150	°C
Operating Junction Temperature	T j		150	°C
Maximum Reverse Voltage	V RM		200	V
Average Rectified Forward Current	I O	50Hz sine wave, R-load, Ta=25°C	1.5	A
Peak Surge Forward Current	I FSM	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	50	A

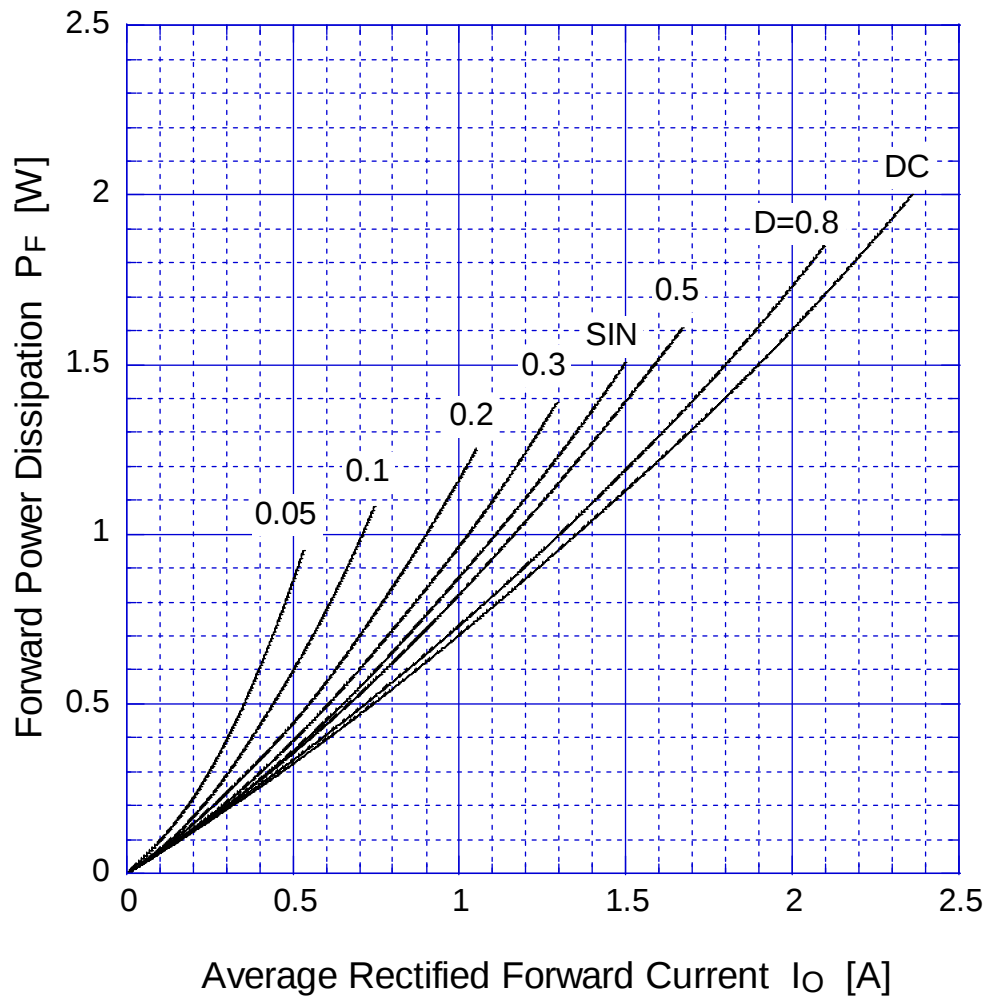
● Electrical Characteristics (If not specified Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V F	I F=1.5A, Pulse measurement	Max.0.98	V
Reverse Current	I R	V R=V RM, Pulse measurement	Max.10	μ A
Reverse Recovery Time	trr	I F=0.5A, I R=1A	Max.35	ns
Thermal Resistance	θ jl	junction to lead	Max.12	°C/W
	θ ja	junction to ambient	Max.83	

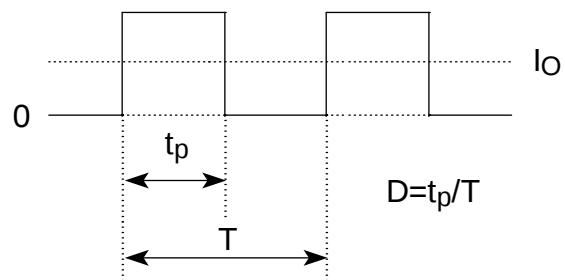


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Forward Power Dissipation

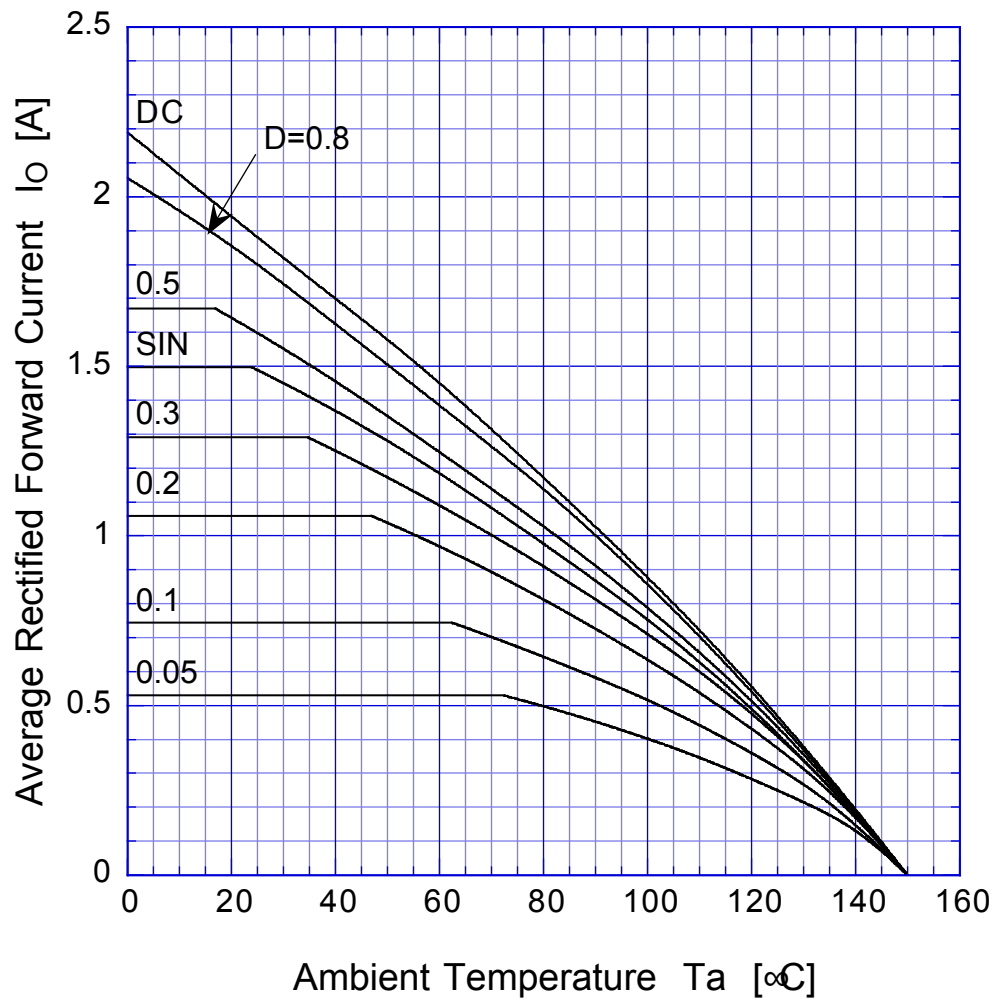


$T_j = 150^\circ\text{C}$

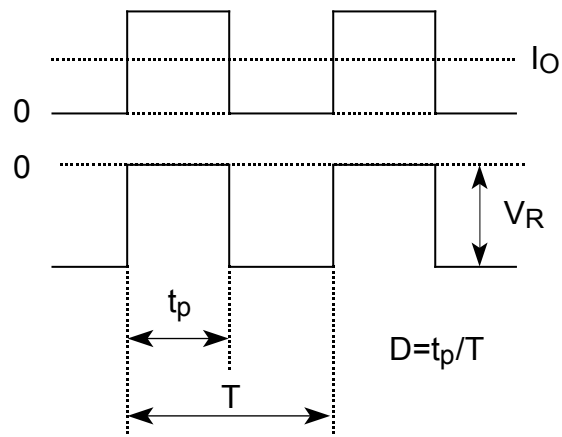


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Derating Curve

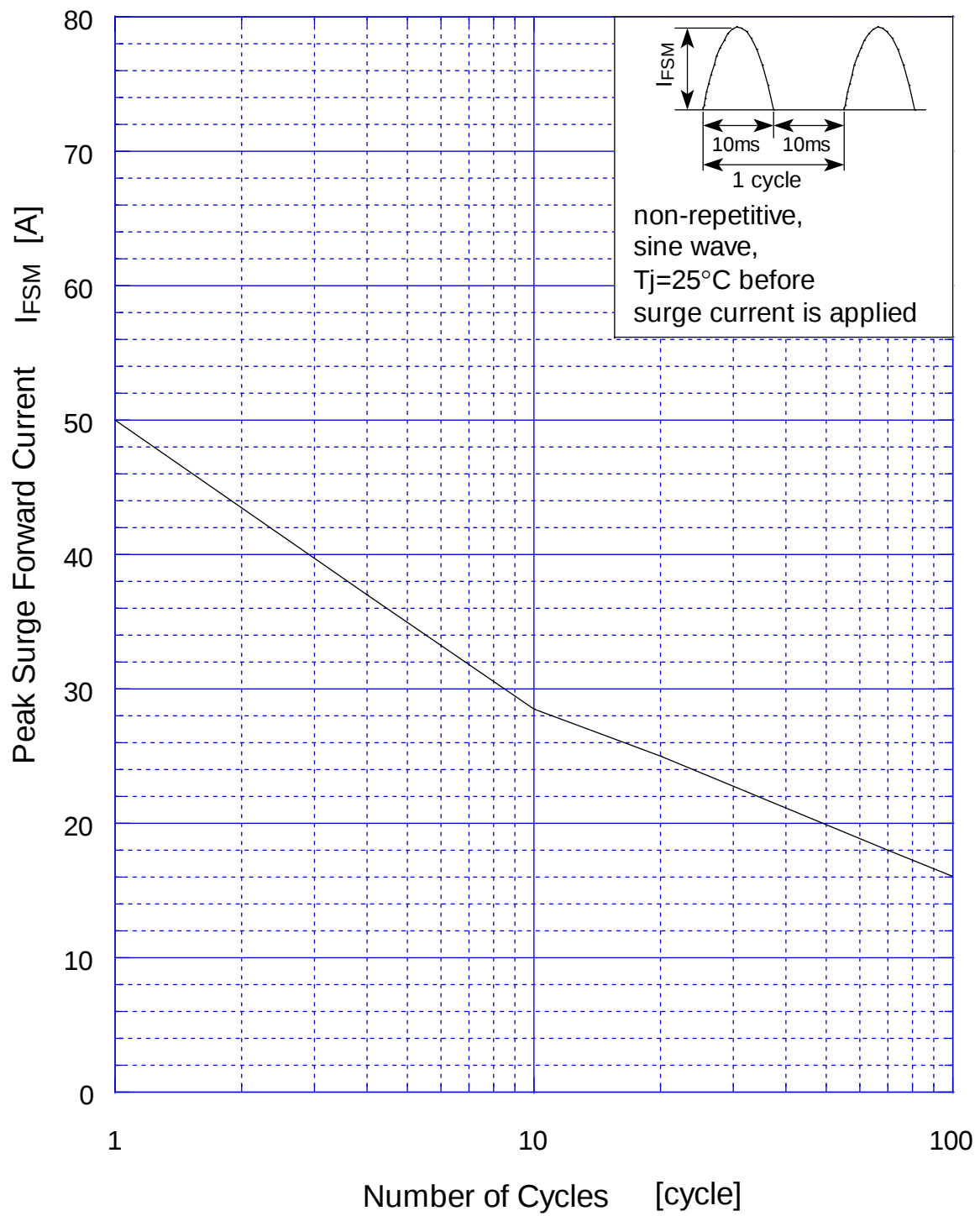


$$V_R = V_{RM}$$



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Peak Surge Forward Capability



S2L20U Junction Capacitance

