

S2V20

200V 1.7A

FEATURES

- High voltage
- High reliability with superior moisture resistance
- Applicable to Automatic Insertion

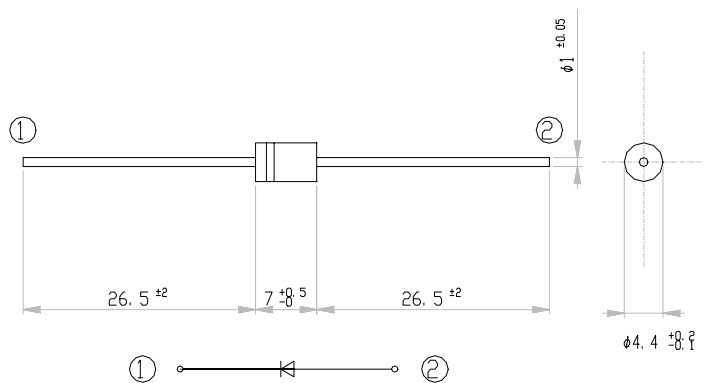
APPLICATION

- Conventional Rectification
- Power source(Power Supply)
- Home Appliances, Office Equipment
- Telecommunication, Factory Automation

OUTLINE DIMENSIONS

Case : AX10

Unit : mm



RATINGS

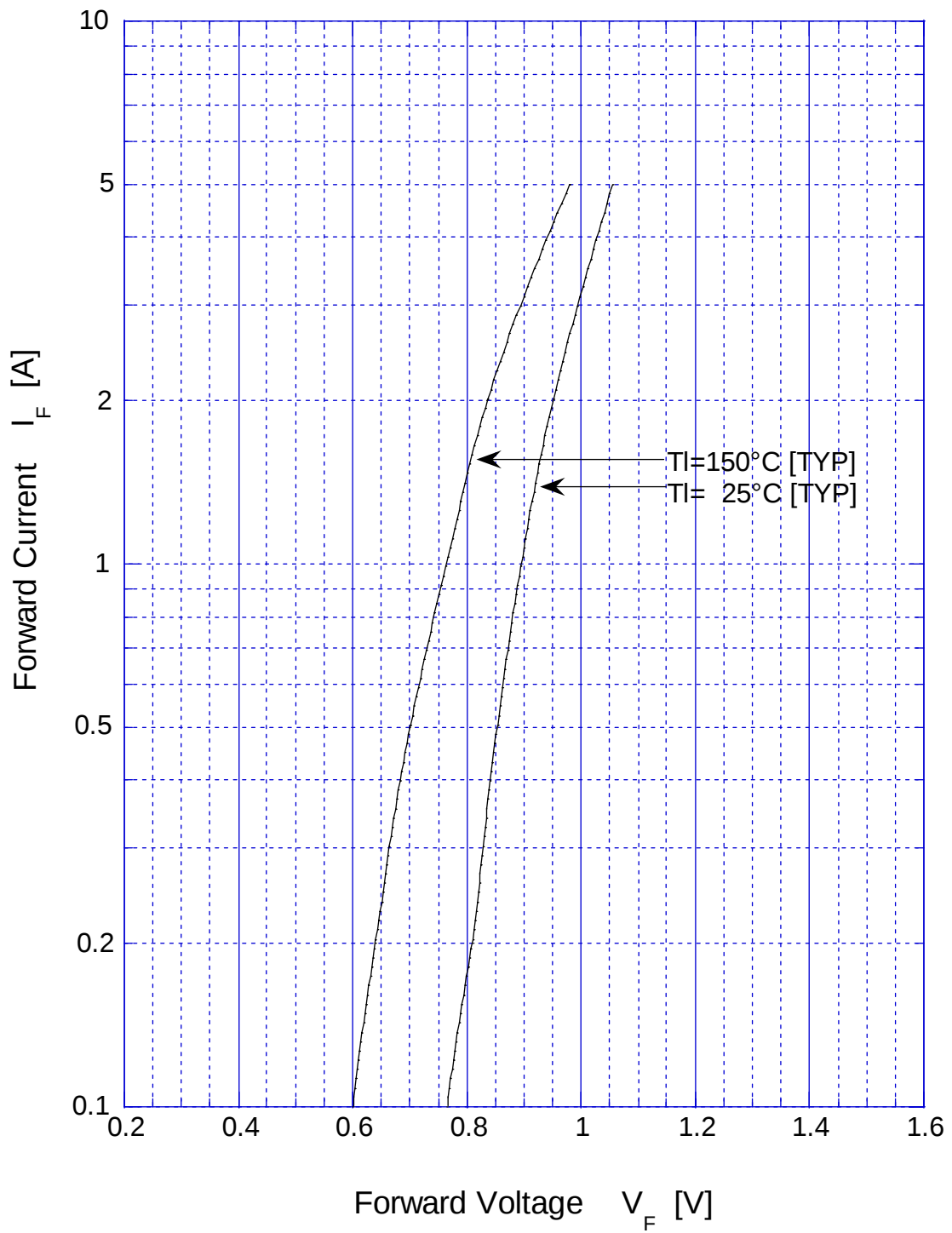
●Absolute Maximum Ratings (If not specified Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-55~150	°C
Operating Junction Temperature	Tj		150	°C
Maximum Reverse Voltage	V _{RM}		200	V
Average Rectified Forward Current	I _O	50Hz sine wave, R-load, Ta=40°C	1.7	A
Peak Surge Forward Current	I _{FSM}	50Hz sine wave, Non-repetitive 1cycle peak value, Tj=25°C	60	A
Current Squared Time	I ² t	1ms ≤ t < 10ms Tj=25°C	20	A ² s

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

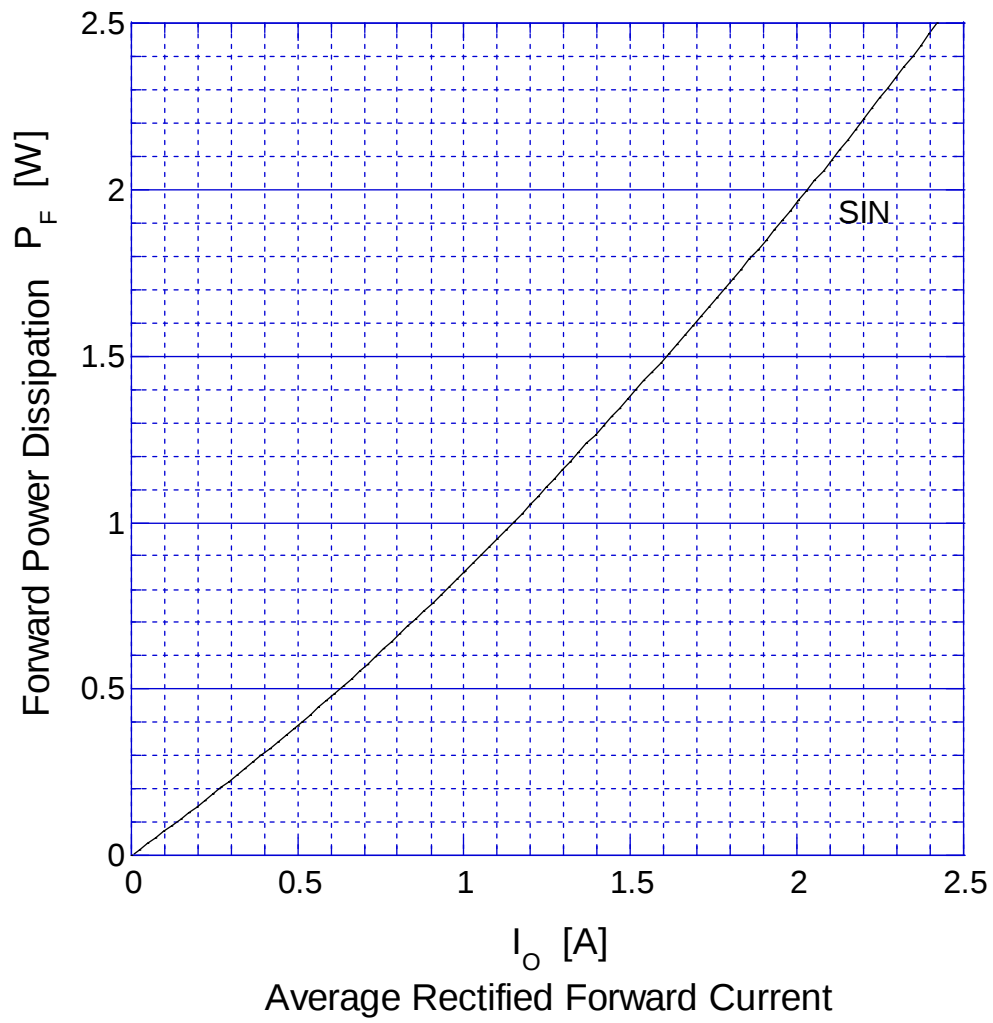
Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V _F	IF=1.7A, Pulse measurement	Max.1.05	V
Reverse Current	I _R	V _R =V _{RM} , Pulse measurement	Max.10	μA
Thermal Resistance	θj-l	junction to lead	Max.8	°C/W

S2V Forward Voltage



S2V

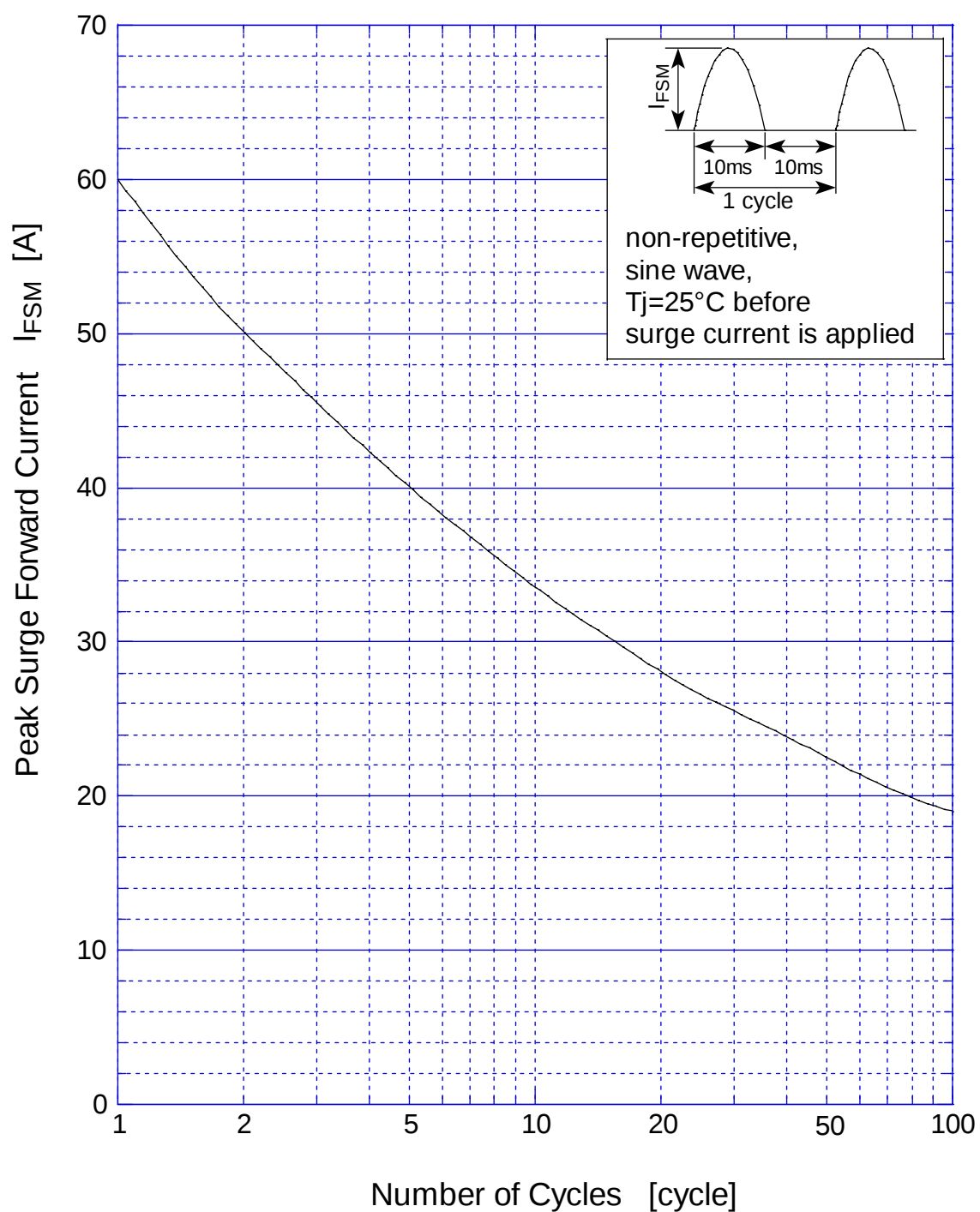
Forward Power Dissipation



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

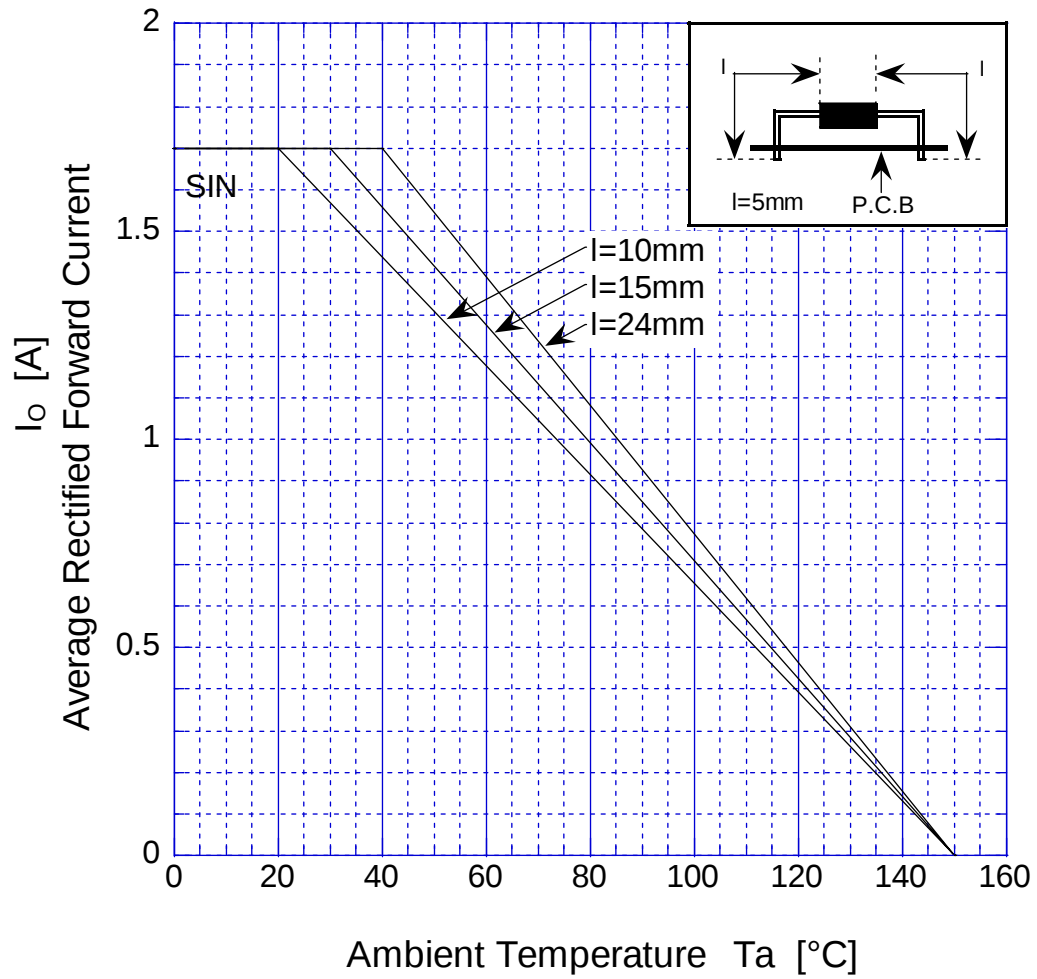
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Peak Surge Forward Capability



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Derating Curve



$$V_R = V_{RM}$$