SHINDENGEN

Varistor

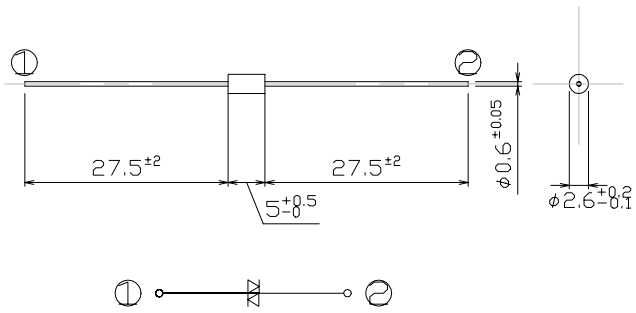
Axial Package

VR61B(A)

OUTLINE DIMENSIONS

Case : AX06

(Unit : mm)



RATINGS

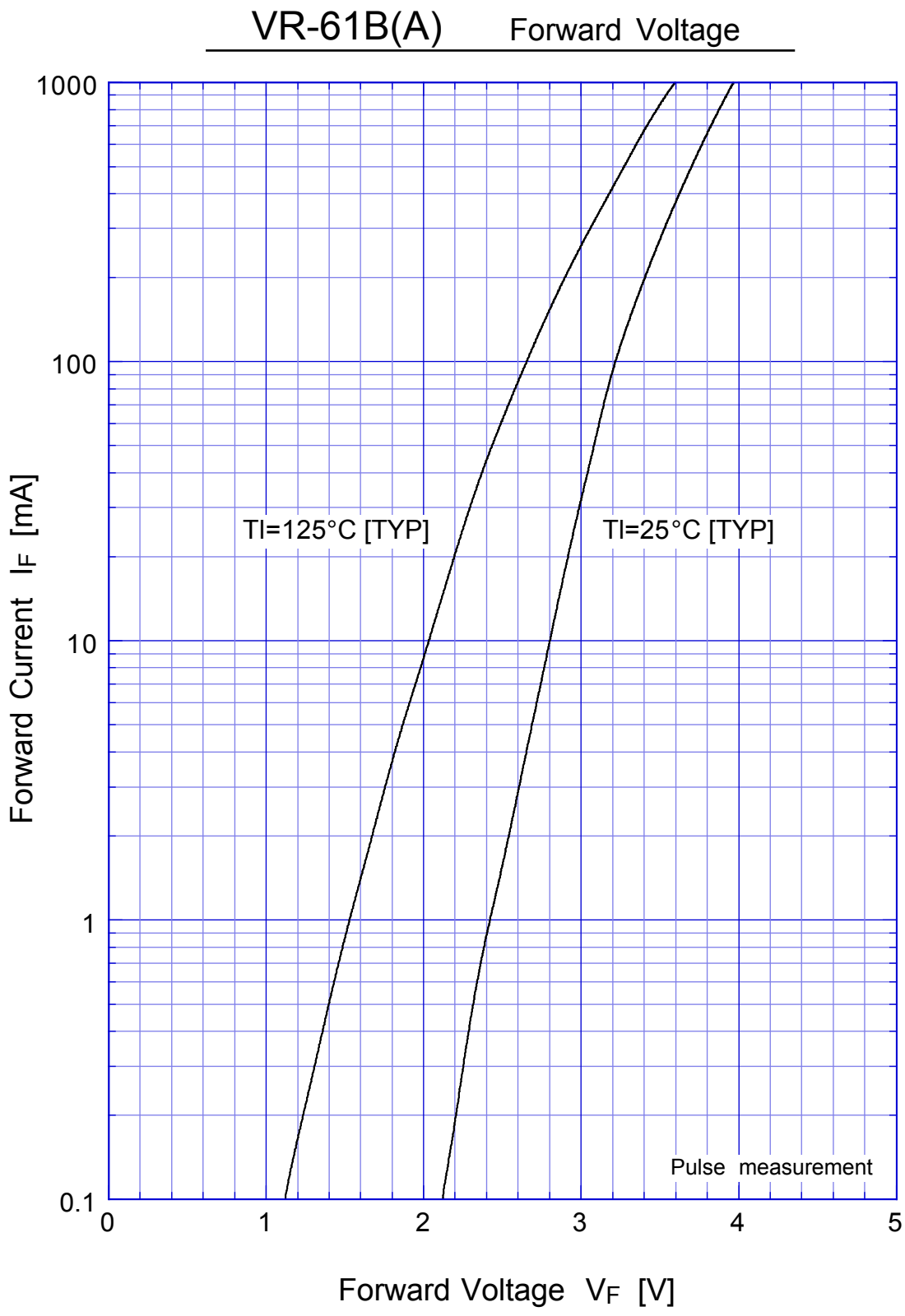
●Absolute Maximum Ratings

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-30～125	℃
Junction Temperature	Tj		125	℃
Average Rectified Forward Current	I_O	Ta = 40℃, Sine wave, R-load Commercial frequency, On glass-epoxy substrate	0.15	Arms
Peak Surge Forward Current	I_{FSM}	50Hz, Sine wave, 1 cycle, Non-repetitive, Tl = 25℃	7.5	Arms

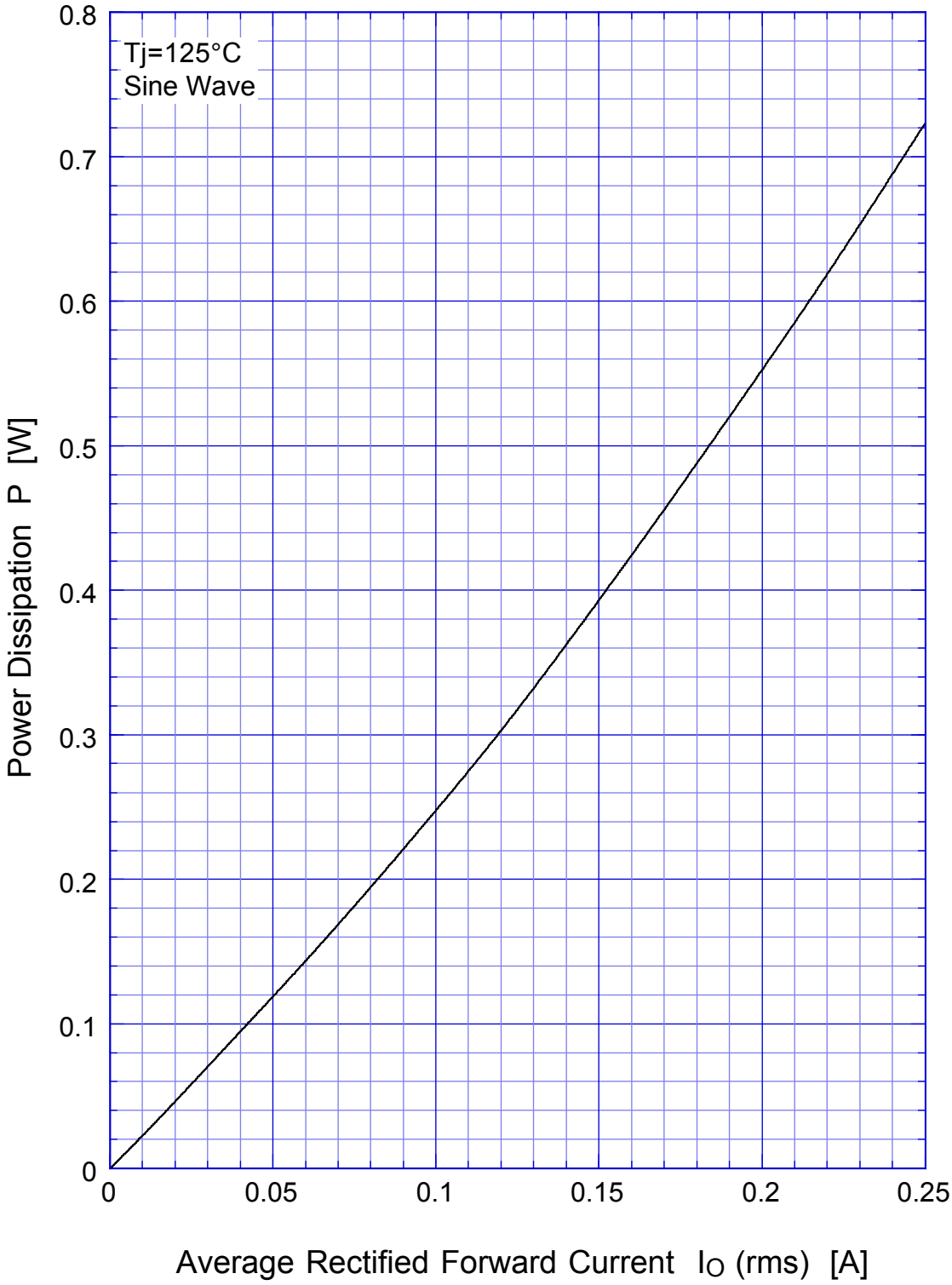
●Electrical Characteristics (Tl=25℃)

Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	V_F	I_F = 1mA	2.05～2.55	V
		I_F = 10mA	2.50～3.00	
		I_F = 70mA	2.85～3.35	
Thermal Resistance	θ ja	Junction to ambient	MAX 215	℃/W

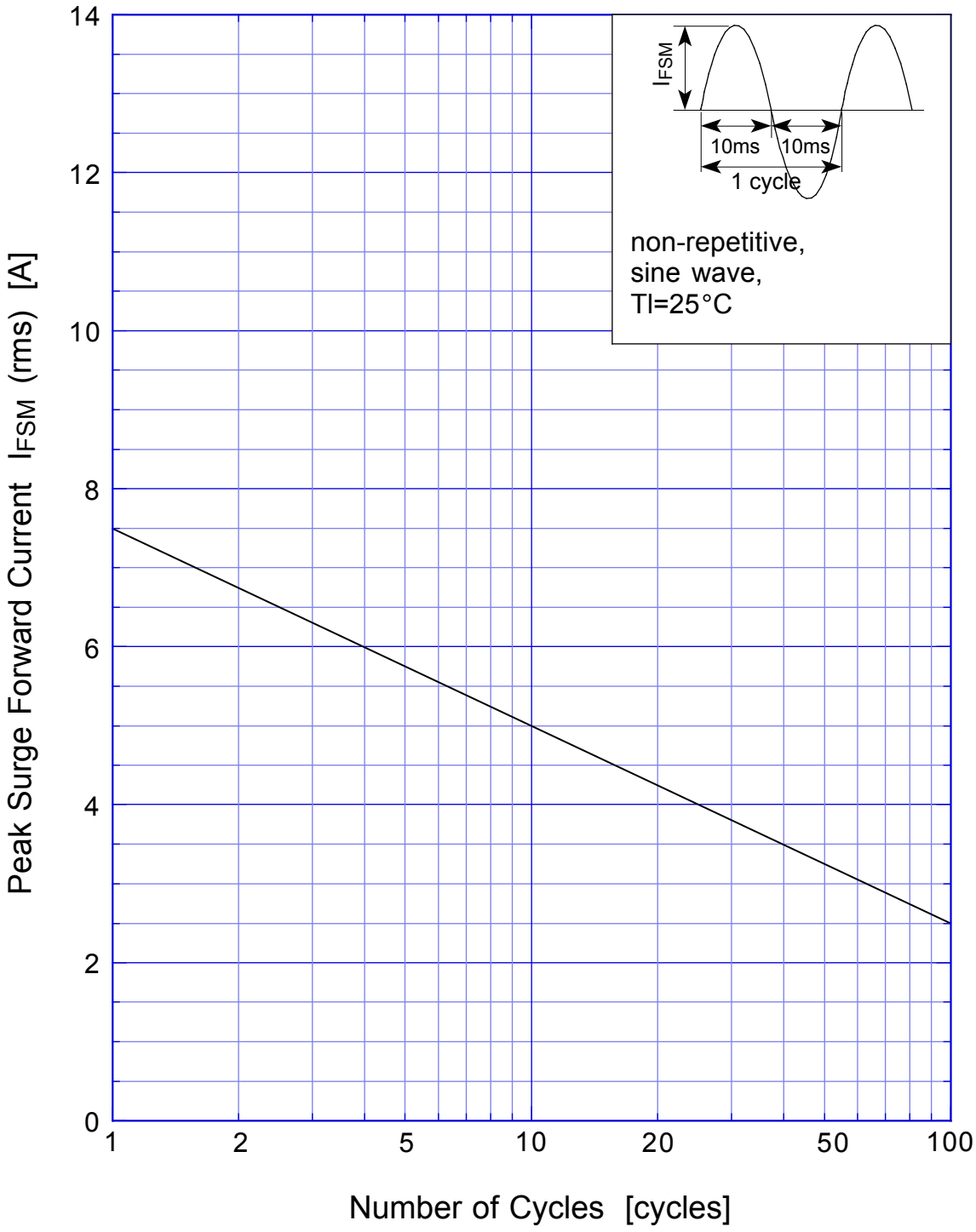
Copyright & Copy;2000 Shindengen Electric Mfg.Co.Ltd


VR-61B(A) Forward Voltage
1000
100
10
1
0.1
0
1
2
3
4
5
Forward Current IF [mA]
Forward Voltage VF [V]
Tl=125°C [TYP]
Tl=25°C [TYP]
Pulse measurement

VR-61B(A) Forward Power Dissipation



VR-61B(A) Peak Surge Forward Capability



VR-61B(A) Derating Curve

