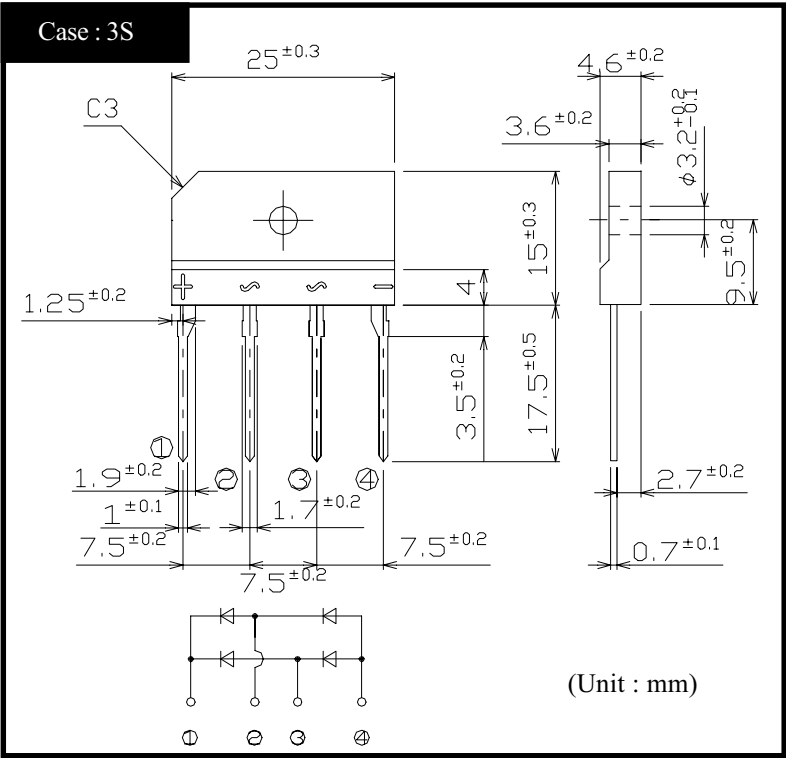


D4SB60L

600V 4A

OUTLINE DIMENSIONS



RATINGS

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

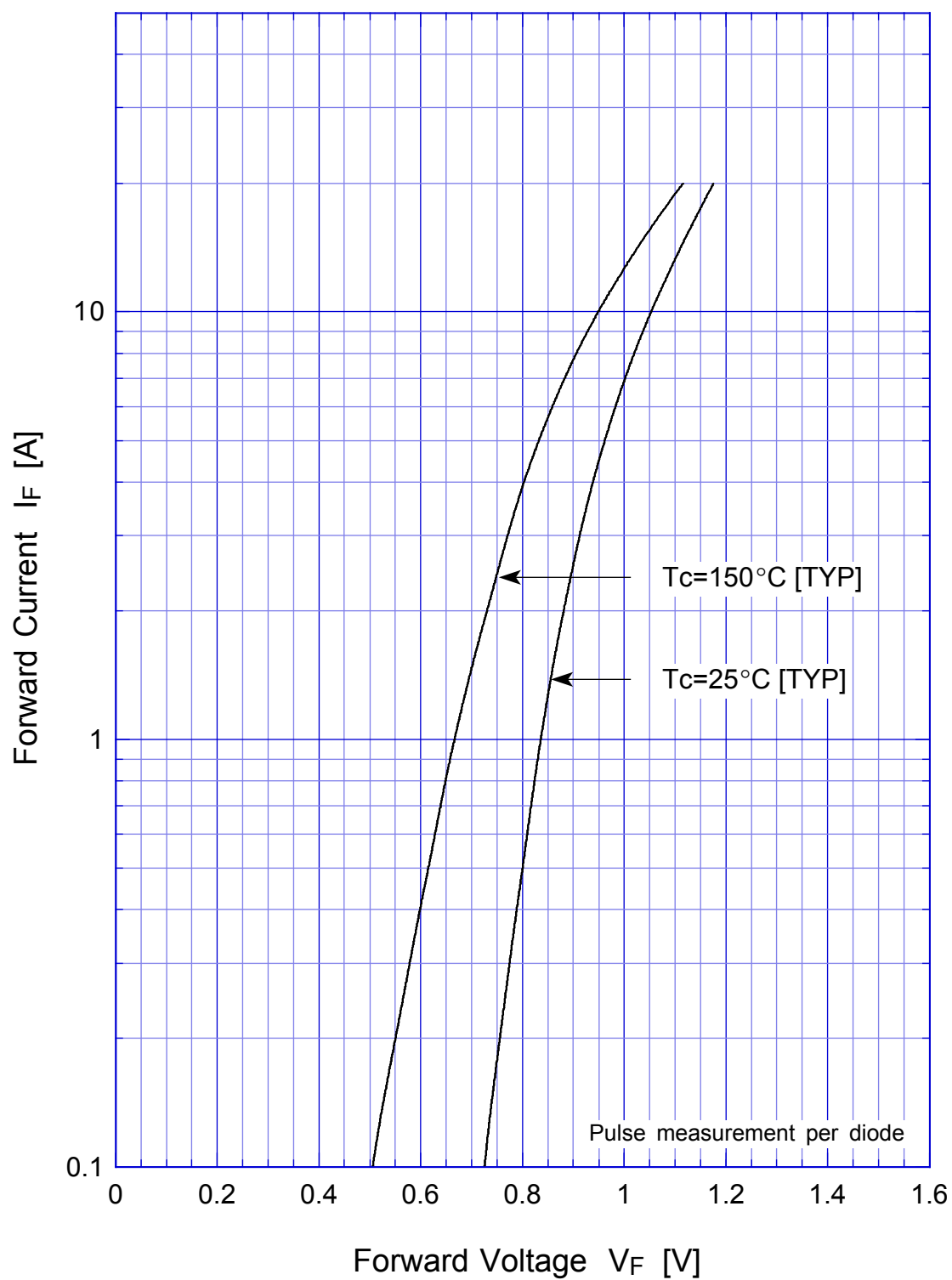
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-40~150	℃
Operating Junction Temperature	Tj		150	℃
Maximum Reverse Voltage	VRM		600	V
Average Rectified Forward Current	IO	50Hz sine wave, R-load With heatsink Tc=111℃	4	A
		50Hz sine wave, R-load Without heatsink Ta=25℃	2.5	
Peak Surge Forward Current	IFSM	50Hz sine wave, Non-repetitive 1cycle peak value, Tj=25℃	150	A
Current Squared Time	I ² t	2ms≤t<10ms Tj= 25℃	80	A ² s
Dielectric Strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting Torque	TOR	(Recommended torque : 0.5N·m)	0.8	N·m

●Electrical Characteristics (If not specified Tl=25℃)

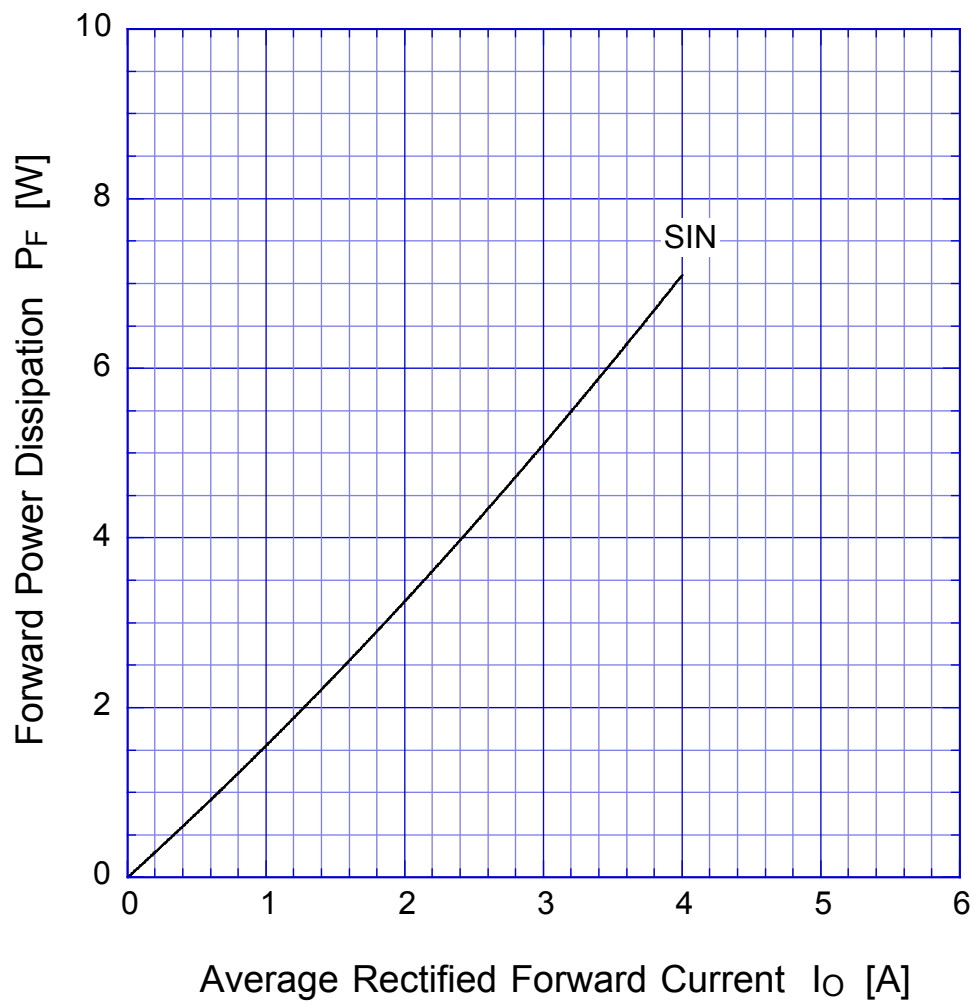
Item	Symbol	Conditions	Ratings	Unit
Forward Voltage	VF	IF=2A, Pulse measurement, Rating of per diode	Max.0.95	V
Reverse Current	IR	VR=VRM, Pulse measurement, Rating of per diode	Max.10	μA
Reverse Recovery Time	trr	IF=0.1A, IR=0.1A, Rating of per diode	Max.10	μs
Thermal Resistance	θjc	junction to case With heatsink	Max.5.5	℃/W
	θjl	junction to lead Without heatsink	Max.6	
	θja	junction to ambient Without heatsink	Max.30	

D4SB60L

Forward Voltage



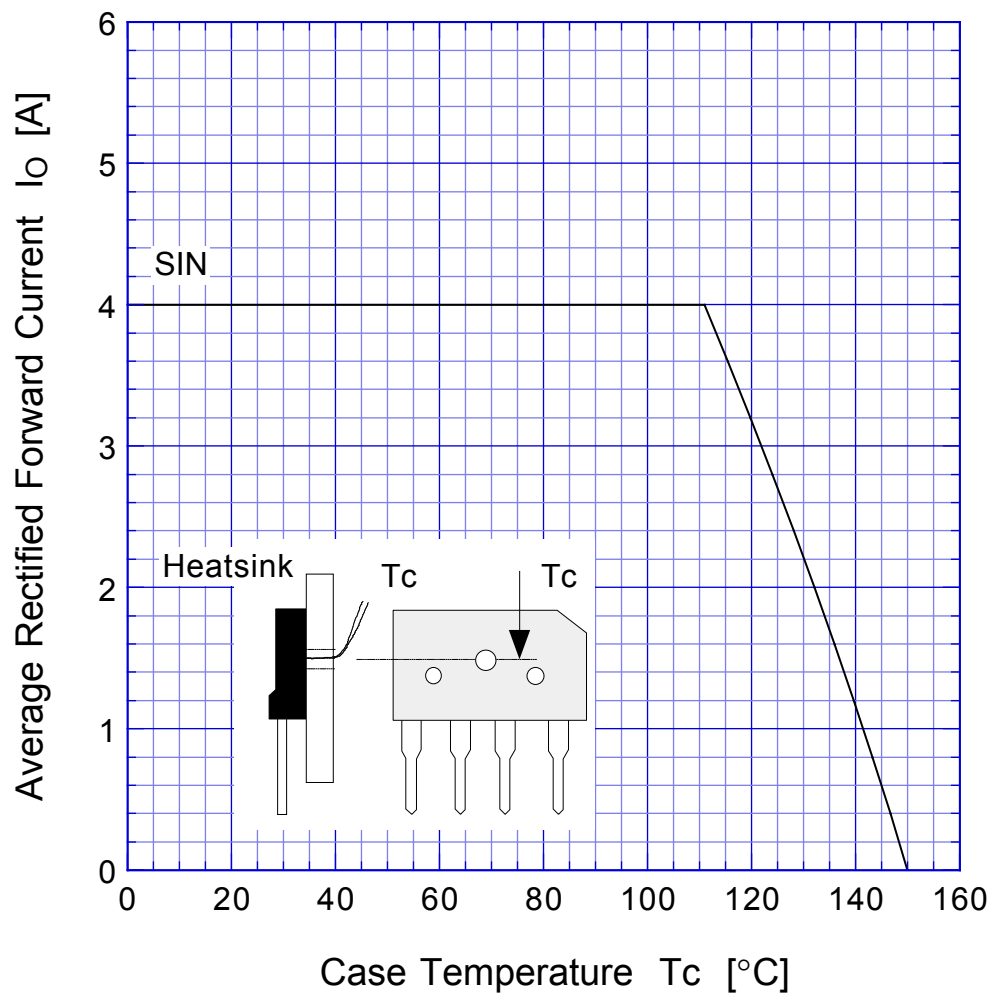
D4SB60L Forward Power Dissipation



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

D4SB60L

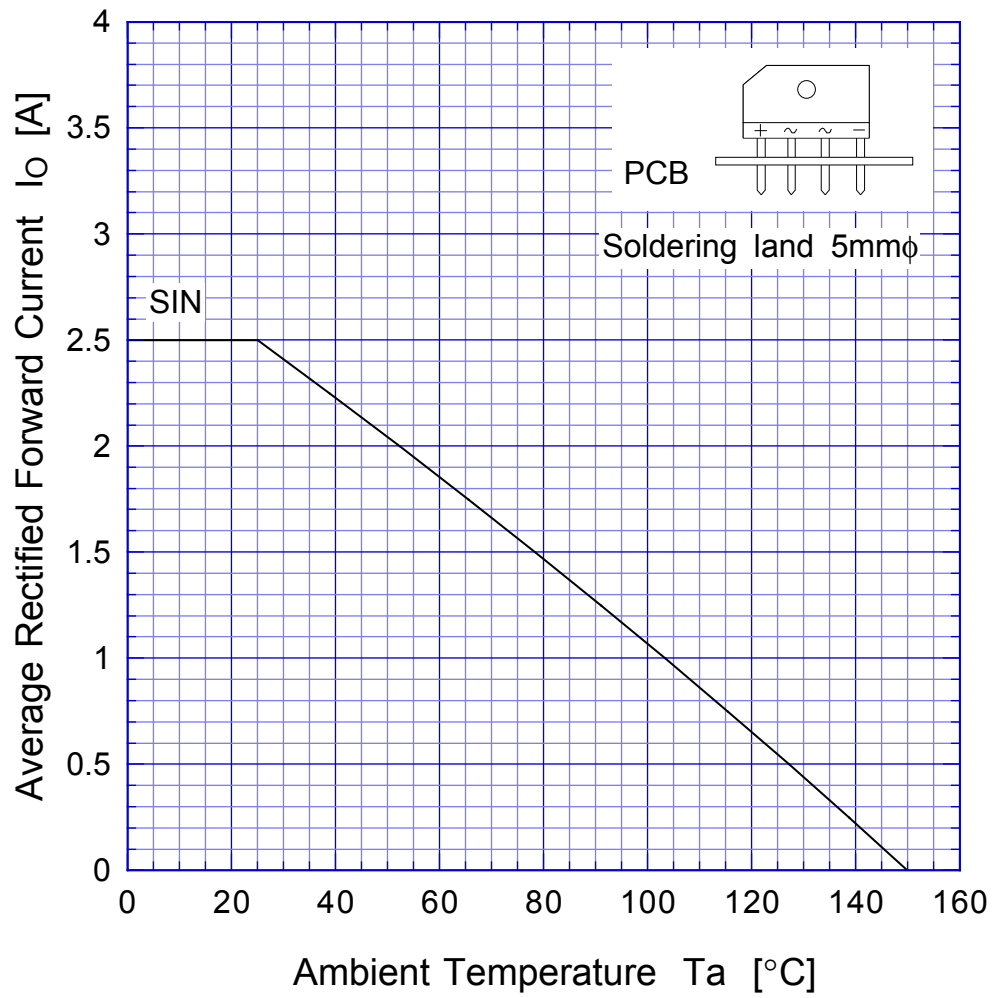
Derating Curve



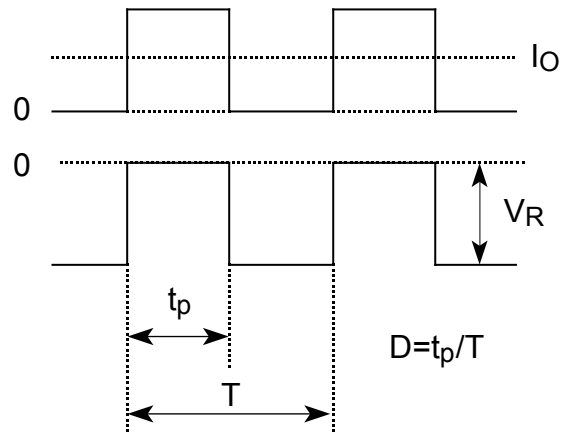
Sine wave
R-load
with heatsink

D4SB60L

Derating Curve



$V_R = 600V$



D4SB60L

Peak Surge Forward Capability

