

LN4SB60

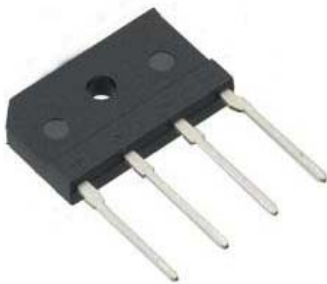
Bridge Diodes  
600V, 4.0A

Feature

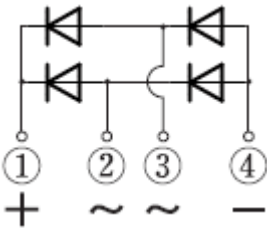
- Compact SIP
- Low Noise
- Low  $V_F$
- UL E142422
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): 3S



Equivalent circuit



Absolute Maximum Ratings (unless otherwise specified : Tc=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	VRRM		600	V
Average forward current	IF(AV)	50Hz sine wave, Resistance load, With heatsink, Tc=111°C	4	A
Average forward current	IF(AV)	50Hz sine wave, Resistance load, Without heatsink Ta=25°C	2.5	A
Surge forward current	IFSM	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	150	A
Current squared time	I <sup>2</sup> t	1ms≦t<10ms, Tj=25°C, per diode	50	A <sup>2</sup> s
Dielectric strength	Vdis	Terminals to case, AC 1 minute	2	kV
Mounting torque	TOR	(Recommended torque : 0.5N・m)	0.8	N・m

※ :See the original Specifications

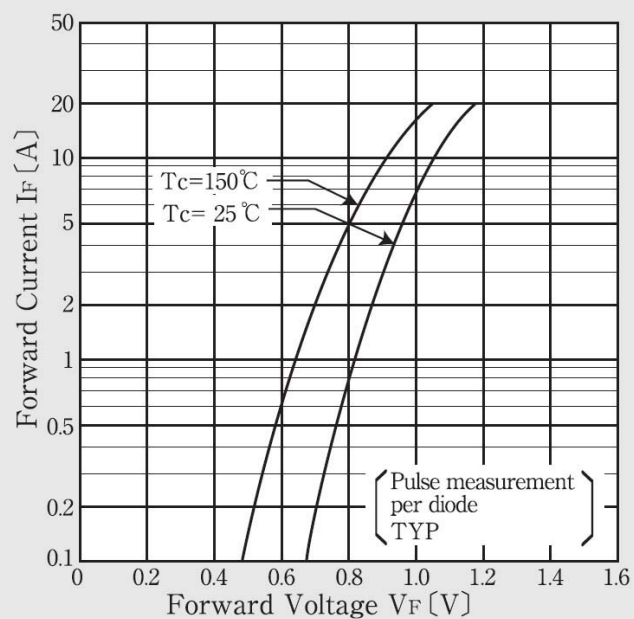
**Electrical Characteristics** (unless otherwise specified : Tc=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	$V_F$	$I_F=2A$ , Pulse measurement, per diode			0.95	V
Reverse current	$I_R$	$V_R=600V$ , Pulse measurement, per diode			10	$\mu A$
Reverse recovery time	$t_{rr}$	$I_F=0.1A$ , $I_R=0.1A$ , per diode			5000	ns
Thermal resistance	$R_{th(j-c)}$	Junction to case, With heatsink			5.5	$^{\circ}C/W$
Thermal resistance	$R_{th(j-l)}$	Junction to lead, Without heatsink			6	$^{\circ}C/W$
Thermal resistance	$R_{th(j-a)}$	Junction to ambient, Without heatsink			30	$^{\circ}C/W$

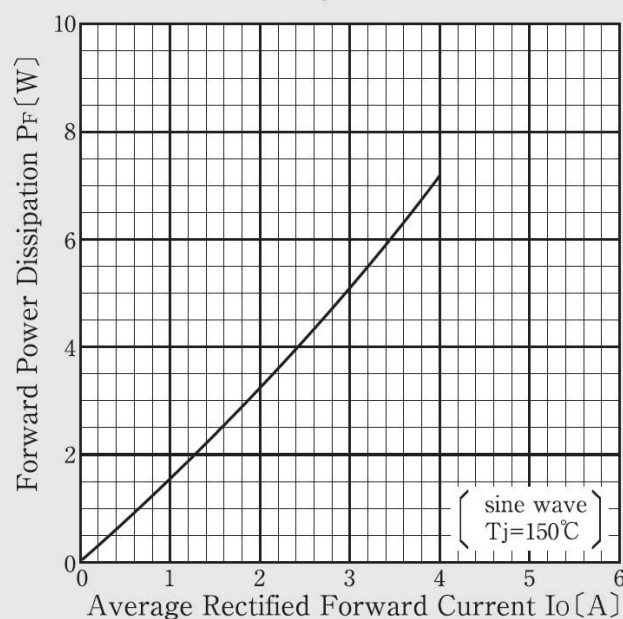
※ :See the original Specifications

## CHARACTERISTIC DIAGRAMS

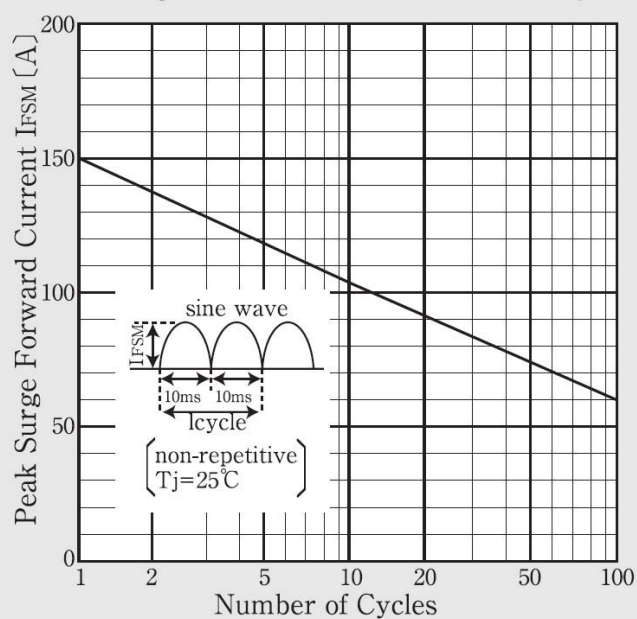
### Forward Voltage



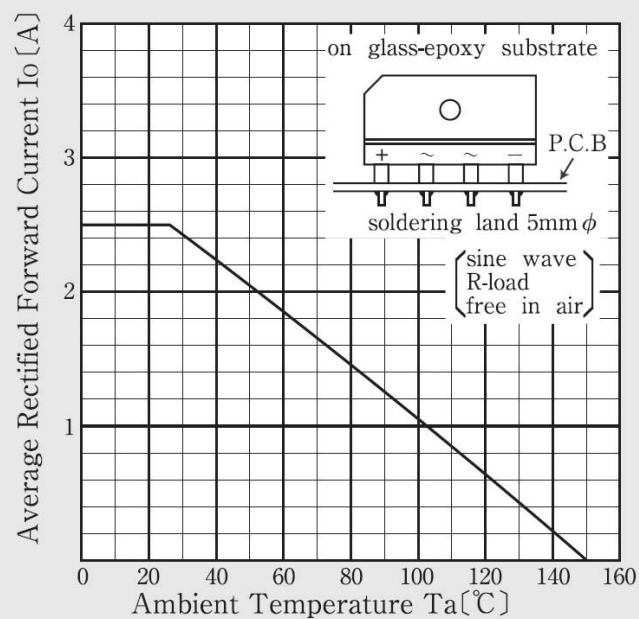
### Forward Power Dissipation

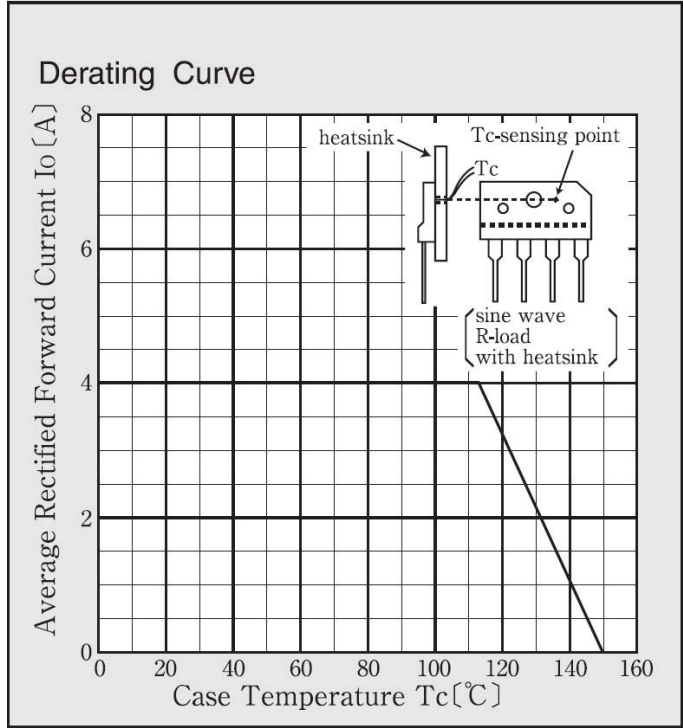


### Peak Surge Forward Current Capability



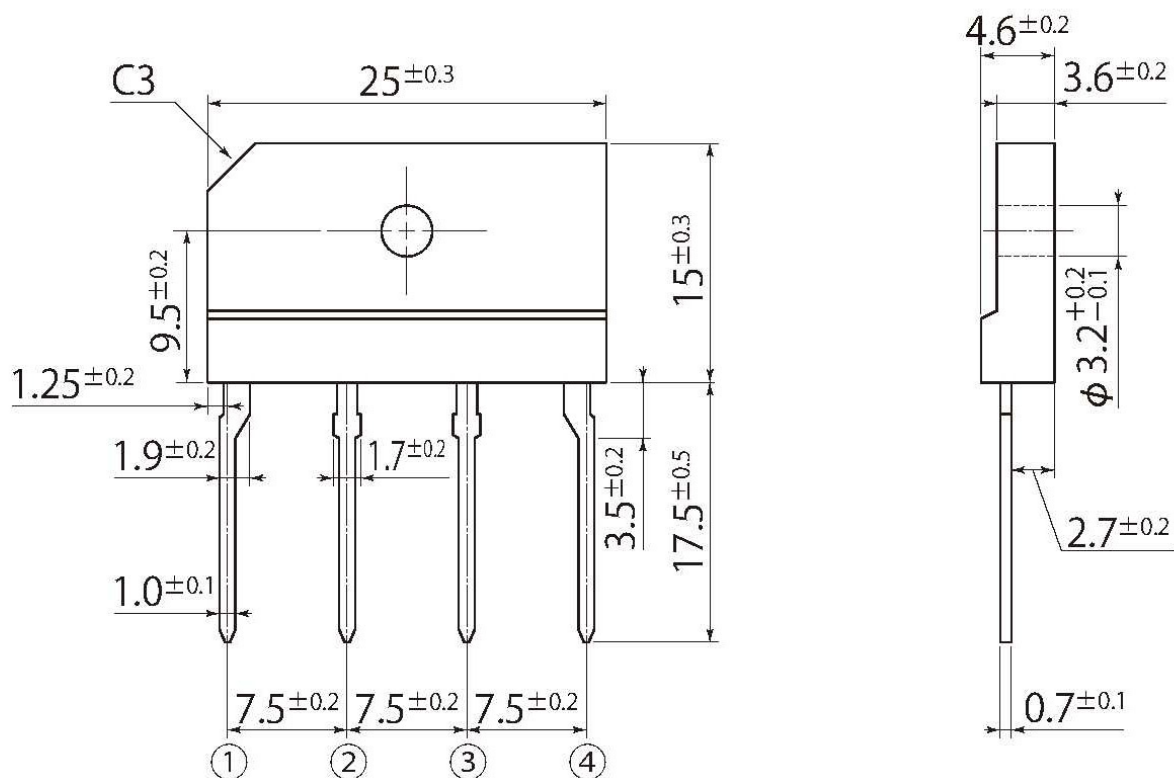
### Derating Curve





D3

JEDEC Code	—
JEITA Code	—
House Name	3S



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