

LN1WBA60-7062

Bridge Diodes
600V, 1.1A

Feature

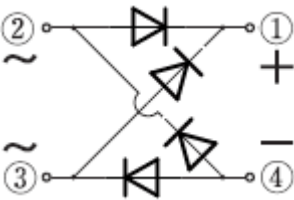
- Small SMD (There is also DIP)
- Low Noise
- Pb free terminal
- RoHS:Yes

OUTLINE

Package (House Name): 1W



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	°C
Junction temperature	Tj		-40 to 150	°C
Repetitive peak reverse voltage	VRRM		600	V
Average forward current	IF(AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Tl=130°C ※	1.1	A
Average forward current	IF(AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C ※	1.1	A
Surge forward current	IFSM	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	50	A
Current squared time	I²t	1ms≤tp<10ms, Tj=25°C, per diode	6	A²s

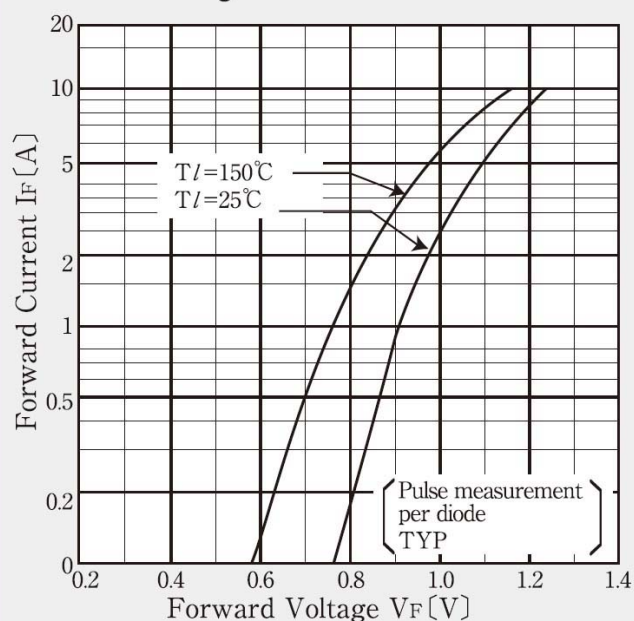
※ :See the original Specifications

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

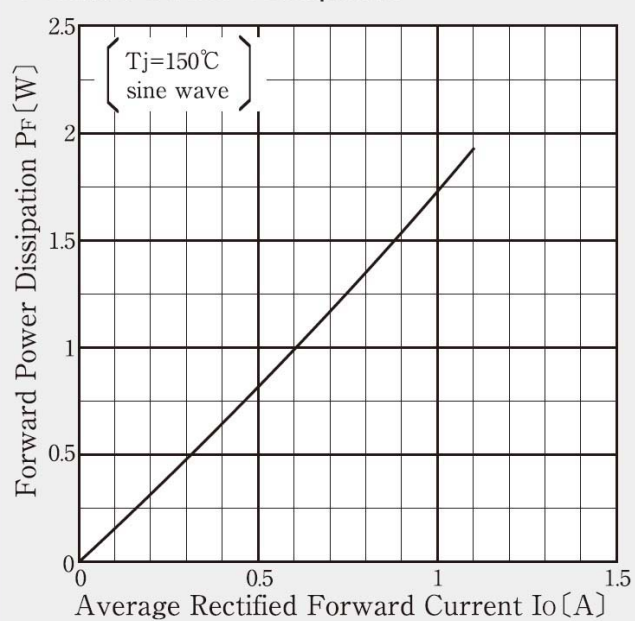
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Forward voltage	V_F	$I_F=0.55A$, Pulse measurement, per diode			1	V
Reverse current	I_R	$V_R=600V$, Pulse measurement, per diode			10	μA
Reverse recovery time	t_{rr}	$I_F=0.1A$, $I_R=0.1A$, $0.1I_R$, per diode			5000	ns
Thermal resistance	$R_{th(j-l)}$	Junction to lead, On glass-epoxy substrate ※			10	$^{\circ}C/W$
Thermal resistance	$R_{th(j-a)}$	Junction to ambient, On glass-epoxy substrate ※			65	$^{\circ}C/W$

※ :See the original Specifications

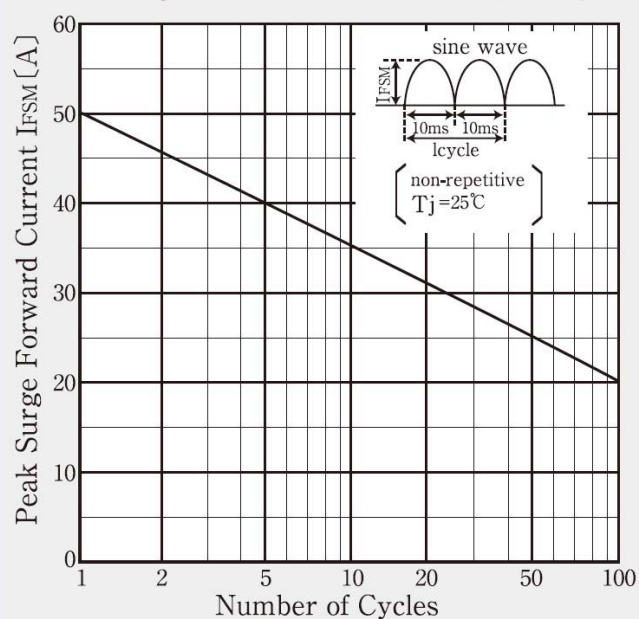
Forward Voltage



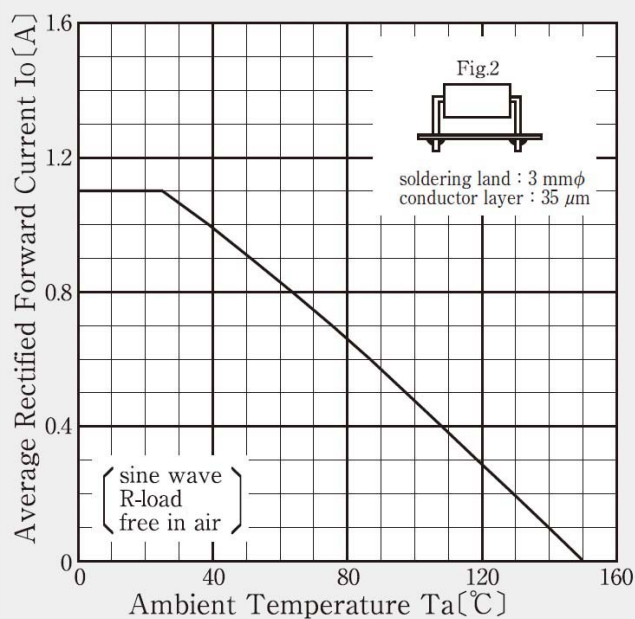
Forward Power Dissipation



Peak Surge Forward Current Capability

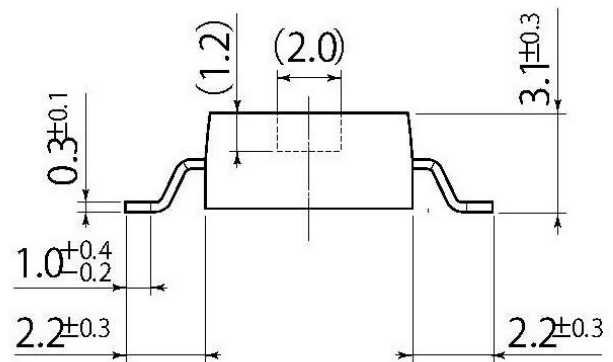
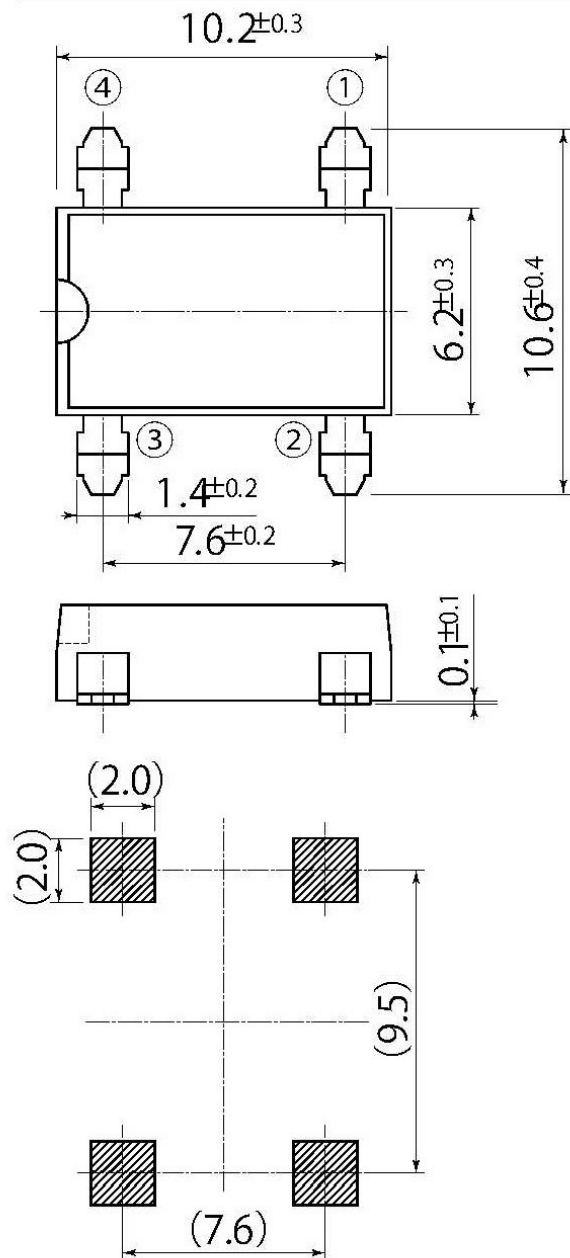


Derating Curve



C8

JEDEC Code	—
JEITA Code	—
House Name	1W(SMD)



Referential Soldering Pad

- Optimize soldering pad to the board design and soldering condition.

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