1N4148WS, 1N4448WS, 1N914BWS

- ◇ General purpose diodes
- ◇ Fast switching devices
- ◇ **SOD323F Thin** SMD package (Fig-1)
- ◇ RoHS compliant / Green EMC
- ◇ Matte Tin (Sn) Lead finish
- ◇ Moisture Level Sensitivity 1
- ◇ Cathode Band / Device marking

Device Marking Code	
1N4148WS	**S1**
1N4448WS	**S2**
1N914BWS	**S3**

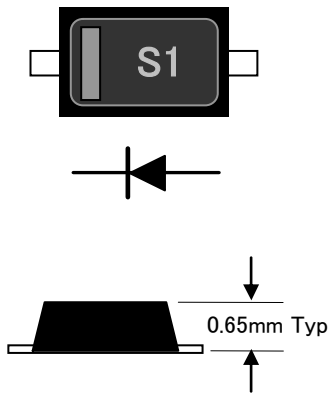


Fig.-1 Package. height

Absolute Maximum Ratings (Ta = 25 ℃)

Symbol	Parameter	Value	Units
V_{RSM}	Non-Repetitive Peak Reverse Voltage	100	V
V_{RRM}	Repetitive Peak Reverse Voltage	75	V
I_{FRM}	Repetitive Peak Forward Current	300	mA
I_{FSM}	Non-Repetitive Peak Forward Current *1	2	A
I_O	Continuous Forward Current	150	mA
P_D	Power Dissipation	200	mW
T_J	Junction Temperature	150	℃
T_{STG}	Storage Temperature	-55 to +150	℃

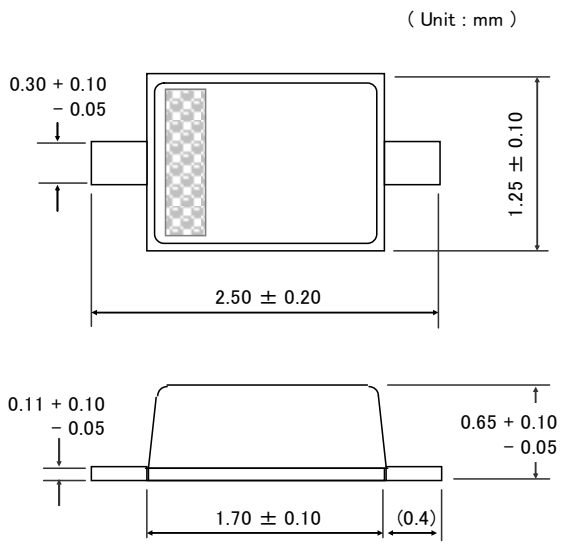
*1 Pulse width = 1 μ s

Electrical Characteristics (Ta = 25 ℃)

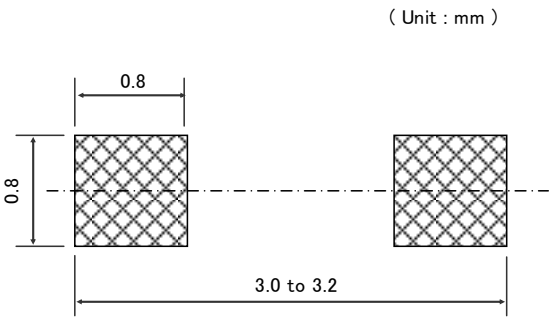
Symbol	Parameter	Conditions	Min	Max	Units
BV_R	Breakdown Voltage	I_R = 100 μ A	100		V
		I_R = 5 μ A	75		V
I_R	Reverse Current	V_R = 20V		25	nA
		V_R = 75V		5	μ A
V_F	Forward Voltage	I_F = 5mA *2	0.62	0.72	V
		I_F = 10mA		1	V
		I_F = 100mA *2		1	V
C	Capacitance	V_R = 0V, f = 1MHz		4	pF
T_{RR}	Reverse Recovery Time	I_F = 10mA, V_R = 6V		4	ns
		I_{RR} = 1mA, R_L = 100 Ω			

*2 Excluded 1N4148WS

Package Dimensions



SOD323F * Package Outline



Land Pattern Recommendation

Notes:
* Dimensions of POPPULA
(JEDEC/JEITA: SOD-323/SC-90)