R

## 1N4148WS

## FAST SWITHING DIODES

300

150

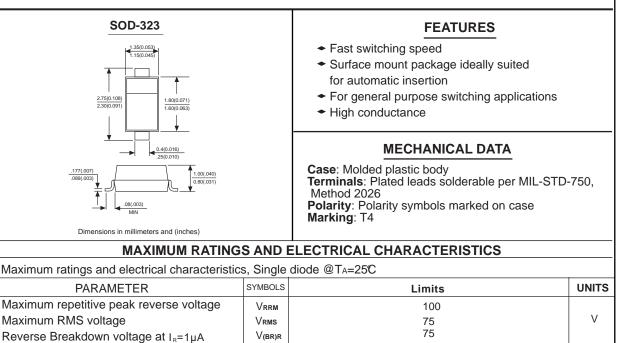
4.0

400

250

125

-55 to +150



	0	_
Storage temperature		
Junction temperature		

Electrical ratings @TA=25°C 

Thermal resistance junction to ambient

Forward continuous current

Power dissipation

Average rectified output current

Peak forward current @=1.0MS

PARAMETER	SYMBOLS	Min.	Тур.	Max.	Unit	Conditions
Froward voltage	VF1			0.715	V	IF=1.0mA
5	VF2			0.855	V	I⊧=10mA
	V <sub>F3</sub>			1.0	V	IF=50mA
	VF4			1.25	V	I⊧=150mA
Reverse current	IR1			0.025	uA	atVR=20V T <sub>j</sub> =25°C
	IR2			1	uA	atVR=75V Tj=25°C
	IR3			30	uA	atVR=25V Tj=150°C
	R4			50	uA	atVR=75V Tj=150°C
Capacitance between terminals	Ст			5	pF	Vr=0V,f=1.0MHz
Reverse recovery time		trr	8	<b>n</b> 0	IF=IR=10mA	
	Lrr L			°	ns	Irr=0.1XI <sub>R</sub> ,R∟=100Ω

IFM

lo

IFSM

Pd

Roja

Ti

Тѕтс



mA

mA

А

mW

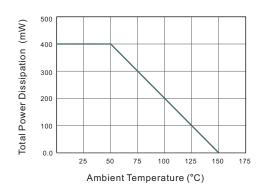
°C/W

°C

°C

## **RATINGS AND CHARACTERISTIC CURVES 1N4148WS**

Fig.1 Forward Current Derating Curve



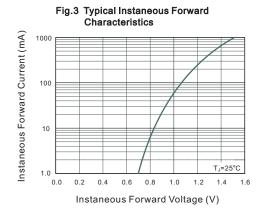


Fig.2 Typical Reverse Characteristics

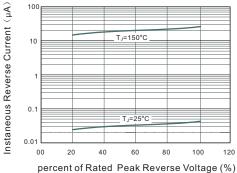
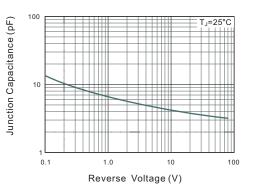


Fig.4 Typical Junction Capacitance



The cruve graph is for reference only, can't be the basis for judgment(曲线图仅供参考)!



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