

30 Volt

### SURFACE MOUNT SCHOTTKY BARRIER

VOLTAGE

#### CURRENT 0.2 Ampere

#### **FEATURES**

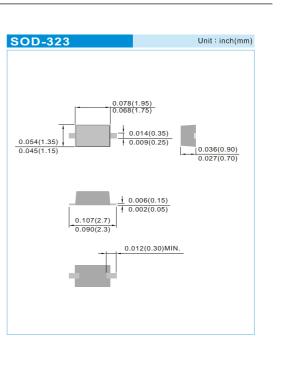
- · Low turn-on voltage
- · Fast switching
- PN Junction Guard Ring for Transient and ESD Protection.
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

### **MECHANICAL DATA**

- · Case: SOD-323, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
- Approx. Weight: 0.00014 ounces, 0.004 grams



Cathode Anode



#### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

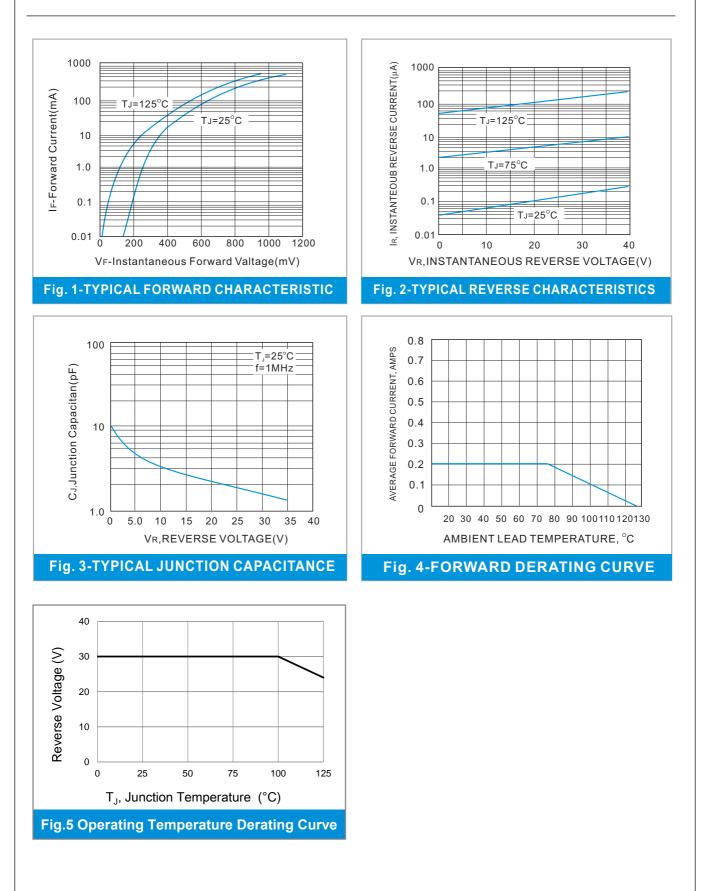
Ratings at 25°C ambient temperature unless otherwise specified. For capacitive load, derate current by 20%.

Parameter	Symbol	BAT42WS	BAT43WS	Units
Marking Code		L2	L3	
Maximum Recurrent Peak Reverse Voltage	Vrrm	30		V
Maximum RMS Voltage	Vrms	21		V
Maximum DC Blocking Voltage	VDC	30		V
Maximum Average Forward Current	I F(AV)	0.2		А
Peak Forward Surge Current, 1ms single half sine-wave superimposed on rated load	I FSM	4		А
Maximum Instantaneous Forward Voltage	VF	0.4 /10mA 1 / 200mA	0.33 / 2mA 1 / 200mA	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	l r	0.5		μΑ
Maximum Thermal Resistance	Reja	635		°C / W
Operating Junction and Storage Temperature Range	Тյ,Тѕтс	-55 to +125		°C

Note : 1.CJ at VR=1, f=1MHz

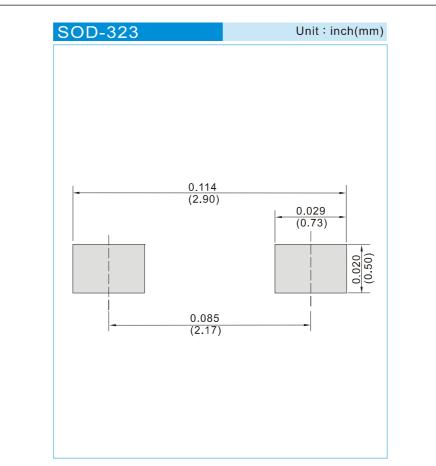
2.Mounted on FR-4 boad with recommded pad layout







#### MOUNTING PAD LAYOUT



#### ORDER INFORMATION

Packing information

T/R - 12K per 13" plastic Reel

T/R - 5K per 7" plastic Reel



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