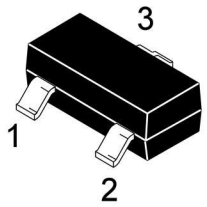
BAR43 Series
Schottky Barrier Rectifiers

Features

- Low current leakage
- Fast switching

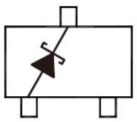
SOT-23



Equivalent Circuit

BAR43

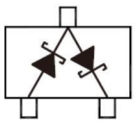
3.Cathode



1.Anode 2.NC

BAR43S

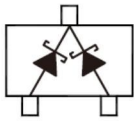
3.Cathode1、Anode2



1.Anode1 2.Cathode2

BAR43C

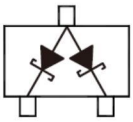
3.Cathode1、Cathode2



1.Anode1 2.Anode2

BAR43A

3.Anode1、Anode2



1.Cathode1 2.Cathode2

Marking Code :

BAR43 : LA
BAR43A : LB
BAR43C : LC
BAR43S : LD

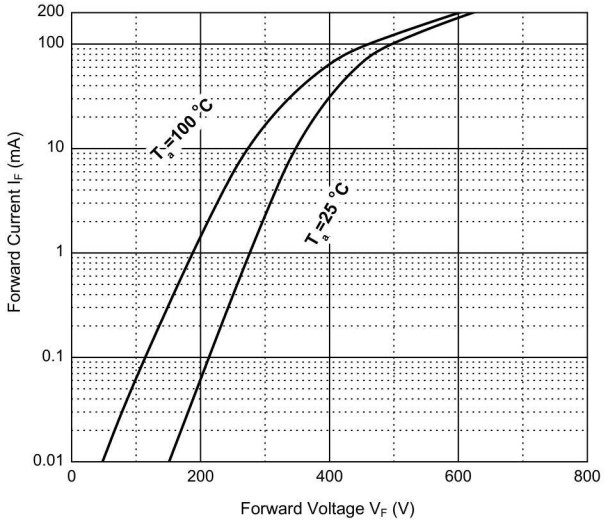
Absolute Maximum Ratings (T_A=25℃)

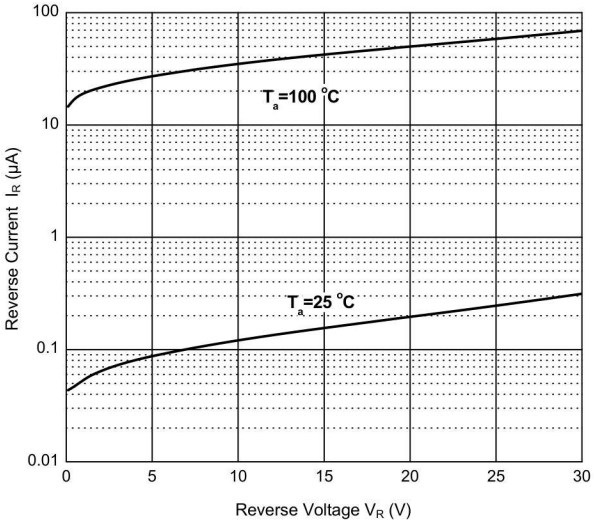
Parameter	Symbols	Value	Unit
Maximum DC Blocking Voltage	V_R	30	V
Forward Continuous Current	I_F	200	mA
Non-Repetitive Peak Forward Surge Current at 8.3ms	I_{FSM}	750	mA
Power Dissipation	P_D	200	mW
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	500	°C/W
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{STG}	-55 to +150	°C

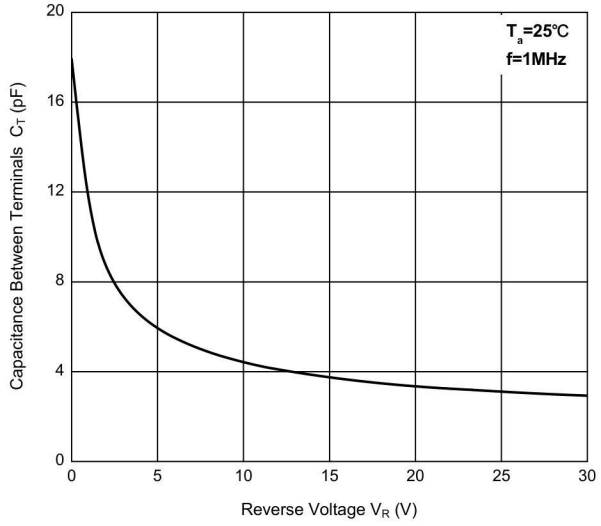
Electrical Characteristics (T_A=25℃)

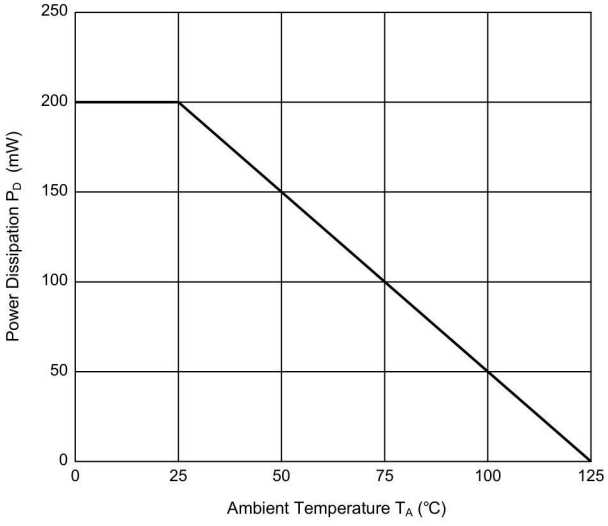
Parameter	Symbols	Min.	Max.	Unit
Forward Voltage at I_F = 2 mA at I_F = 15 mA at I_F = 100 mA	V_F	 -- -- --	 0.33 0.45 0.8	V
Reverse Current at V_R = 25 V	I_R	--	0.5	μA
Breakdown Voltage at I_R =100 μA	$V_{R(BR)}$	30	--	V
Reverse Recovery Time at I_F = I_R = 10 mA, I_{rr} = 0.1x I_R, R_L = 100 Ω	T_{rr}	--	5	ns

Typical Characteristic Curves





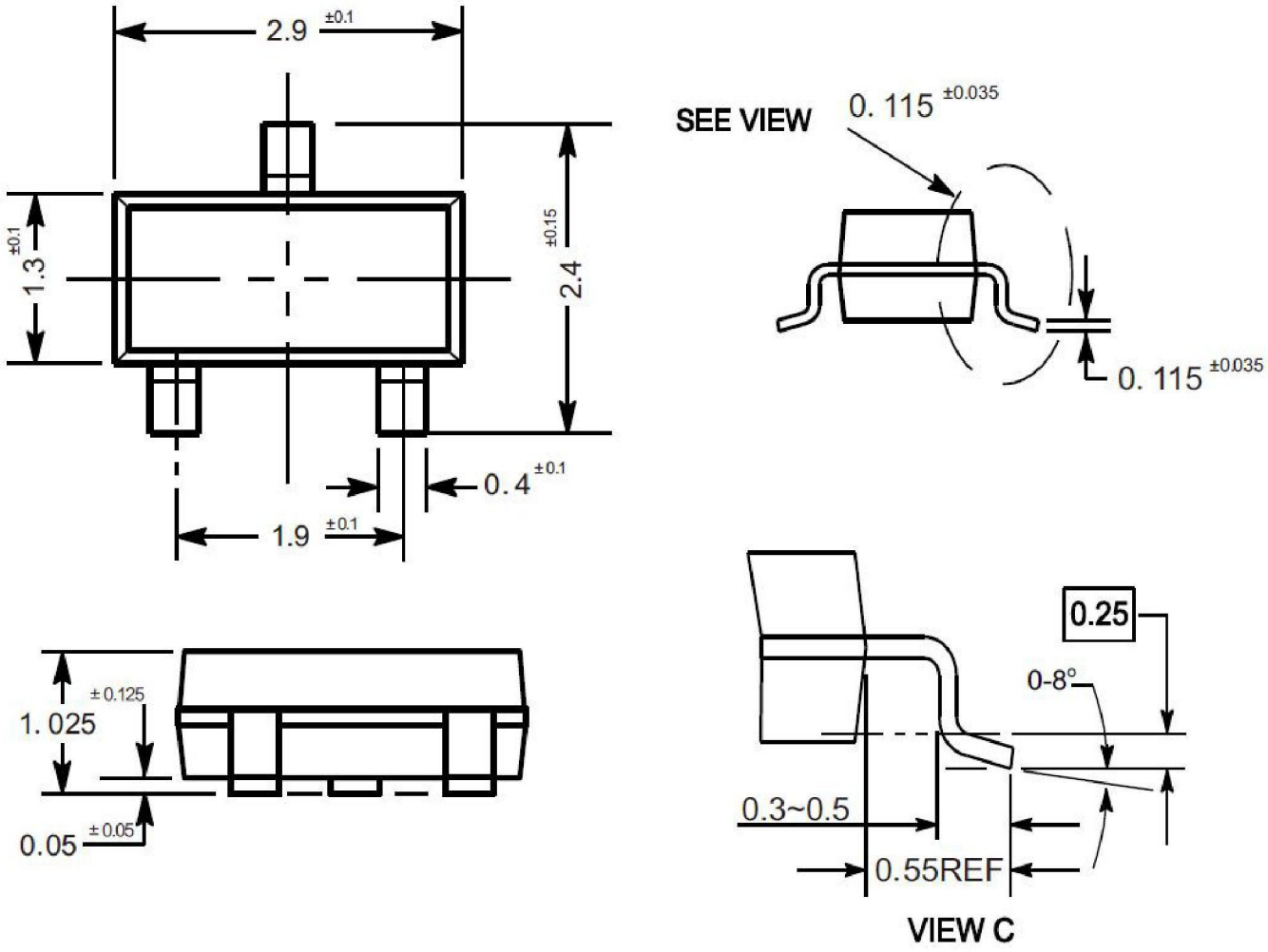




Package Outline

SOT-23

Dimensions in mm



Ordering Information

Device	Package	Shipping
BAR43 Series	SOT-23	3,000PCS/Reel&7inches