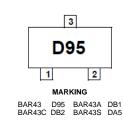
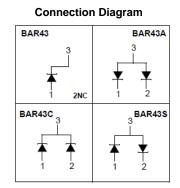
October 2009



BAR43/A/C/S Schottky Diodes

SOT-23





Absolute Maximum Ratings* T_A=25°C unless otherwise noted

Symbol	Parameter	Value	Units	
V _{RRM}	Maximum Repetitive Reverse Voltage	30	V	
I _{F(AV)}	Average Rectified Forward Current 200		mA	
I _{FSM}	Non Repetitive Peak Forward Current Pulse Width = 1.0 second	750	mA	
Τ _J	Operating Junction Temperature	150	°C	
T _{STG}	Storage Temperature Range	-55 to +150	°C	

*These ratings are limiting values above which the serviceability of any semiconductor device may by impaired.

Thermal Characteristics TA=25°C unless otherwise noted

Symbol	Parameter	Value	Units	
P _D	Power Dissipation	290	mW	
R _{θJA}	Thermal Resistance, Junction to Ambient	430	°C/W	

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330 450	V mV mV
450	
0.8	V
0.5 100	μΑ
5.0	ns
	100

Typical Performance Characteristics

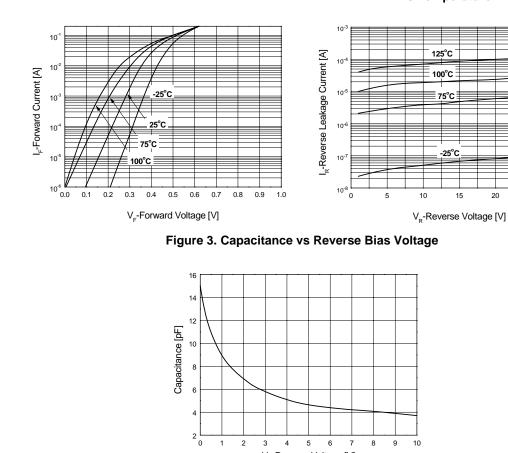
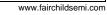


Figure 1. Forward Voltage vs Temperature

Figure 2. Reverse Leakage Current vs Temperature



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V_R-Reverse Voltage [V]

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