

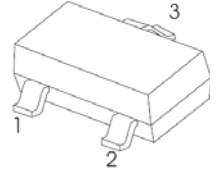


SOT-23 Plastic-Encapsulate Diodes

BAR43/A/C/S

SCHOTTKY BARRIER DIODE

SOT-23



FEATURES

- Low Current Leakage
- For General Purpose Switching Applications

BAR43	BAR43A	BAR43C	BAR43S
MARKING: D95	MARKING: DB1	MARKING: DB2	MARKING: DA5

MARKING:

BAR43	BAR43A	BAR43C	BAR43S

Solid dot = Green molding compound device, if none, the normal device.

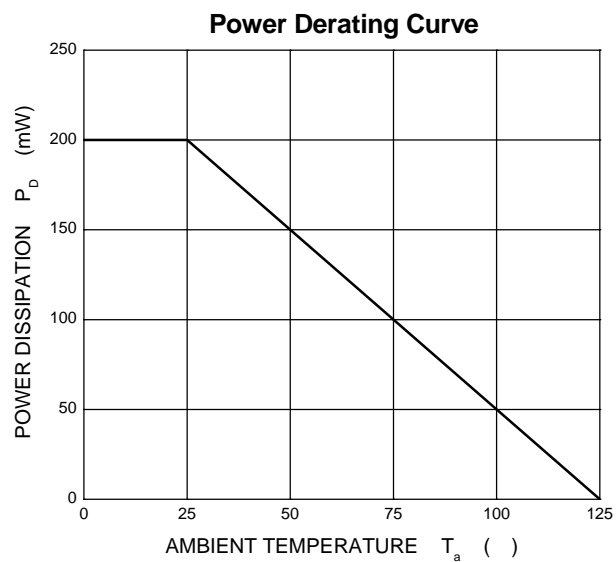
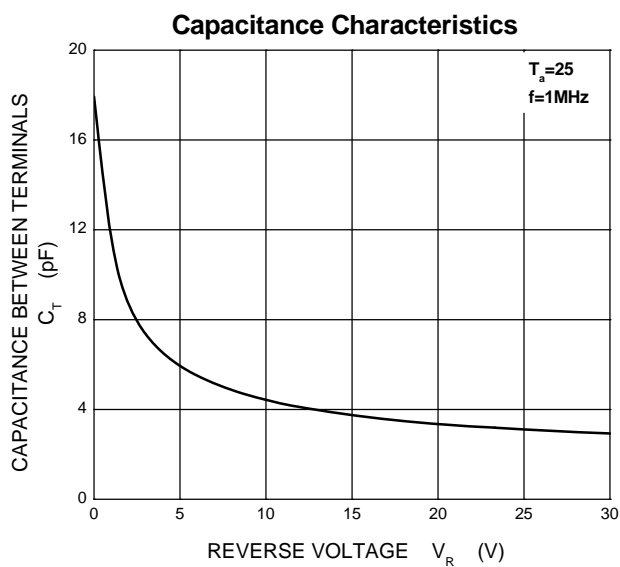
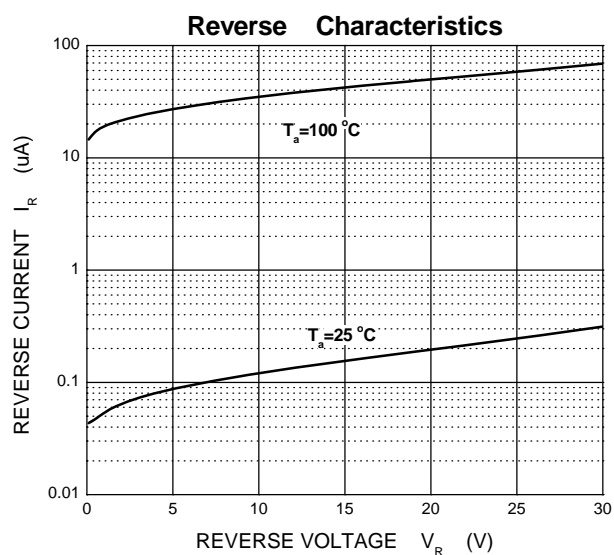
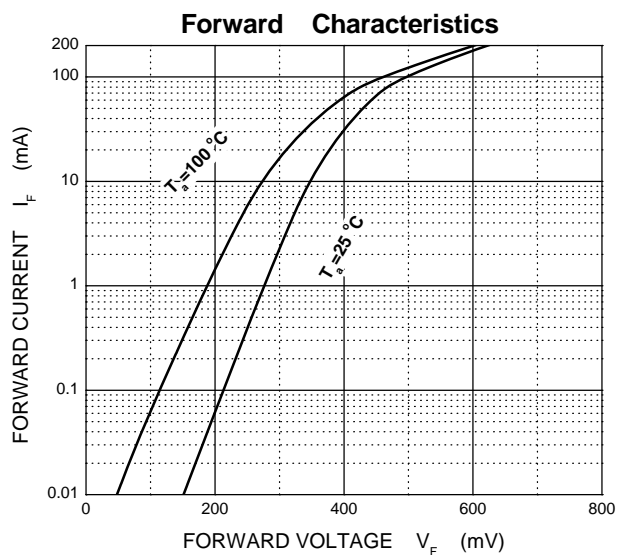
MAXIMUM RATINGS ($T_a=25^\circ\text{C}$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{RRM}	Peak Repetitive Reverse Voltage	30	V
V_{RWM}	Working Peak Reverse Voltage		
$V_{R(RMS)}$	RMS Reverse Voltage	21	V
$I_{F(AV)}$	Average Rectified Forward Current	200	mA
I_{FSM}	Non-repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	0.75	A
P_D	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance from Junction to Ambient	500	$^\circ\text{C}/\text{W}$
T_j	Junction Temperature	125	$^\circ\text{C}$
T_{stg}	Storage Temperature	-55~+150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R=100\text{ A}$	30			V
Reverse current	I_R	$V_R=25\text{V}$			0.5	A
Forward voltage	V_F	$I_F=2\text{mA}$	0.26		0.33	V
		$I_F=15\text{mA}$			0.45	
		$I_F=100\text{mA}$			0.8	
Reverse recovery time	t_{rr}	$I_F=I_R=10\text{mA}$, $I_{rr}=0.1 \times I_R$, $R_L=100$			5	ns

Typical Characteristics



Not

