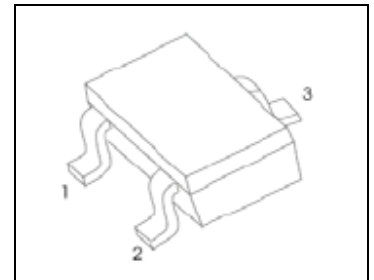
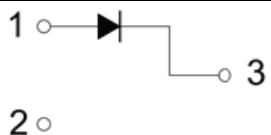
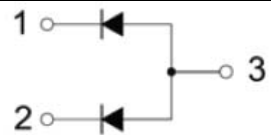
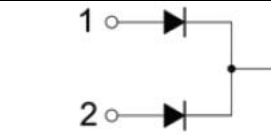
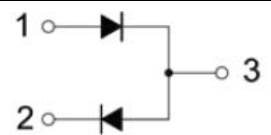
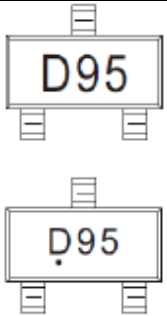
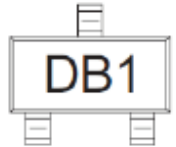
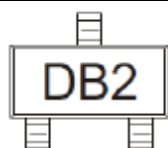



BAR43/A/C/S SCHOTTKY BARRIER DIODE

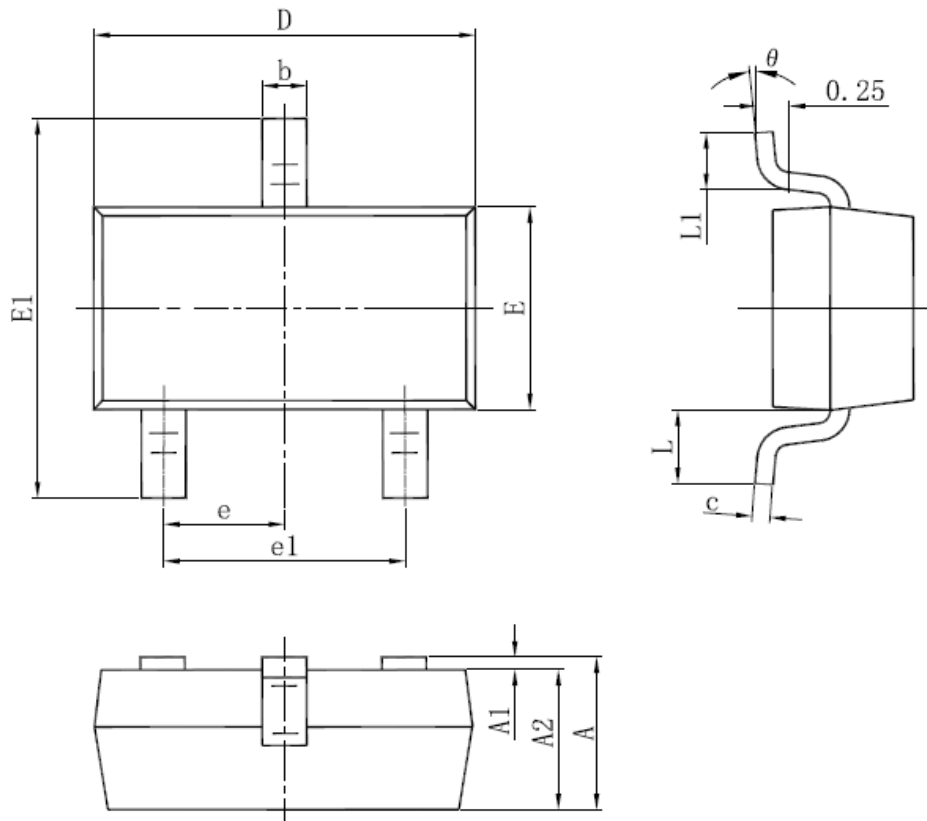
Features:

- Low Current Leakage
- For General Purpose Switching Applications



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

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

Technical Data
Data Sheet N1747, Rev. -
Mechanical Dimensions: In mm/Inches


Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	0.900	1.150	0.035	0.045
A1	0.000	0.100	0.000	0.004
A2	0.900	1.050	0.035	0.041
b	0.300	0.500	0.012	0.020
c	0.080	0.150	0.003	0.006
D	2.800	3.000	0.110	0.118
E	1.200	1.400	0.047	0.055
E1	2.250	2.550	0.089	0.100
e	0.950 TYP.		0.037 TYP.	
e1	1.800	2.000	0.071	0.079
L	0.550 REF.		0.022 REF.	
L1	0.300	0.500	0.012	0.020
θ	0°	8°	0°	8°

SOT-23

- China - Germany - Korea - Singapore - United States •
- <http://www.smc-diodes.com> - sales@smc-diodes.com •

Ordering Information:

Device	Package	Shipping
BAR43/A/C/S	SOT-23(Pb-Free)	3000pcs / reel

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specification.

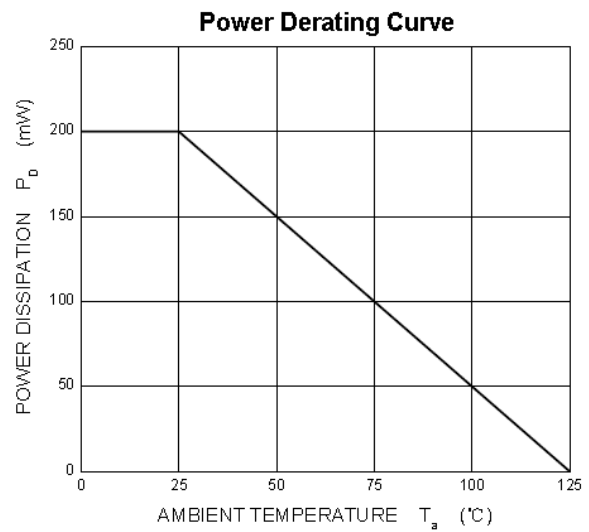
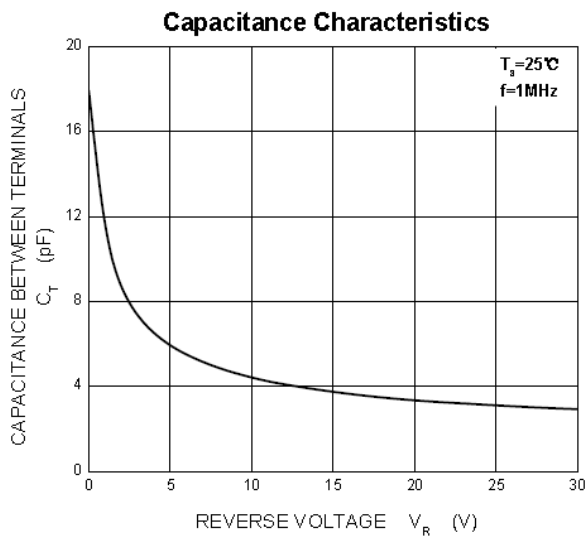
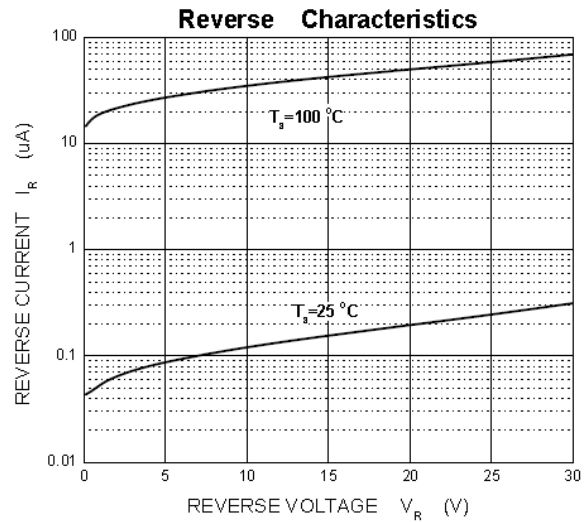
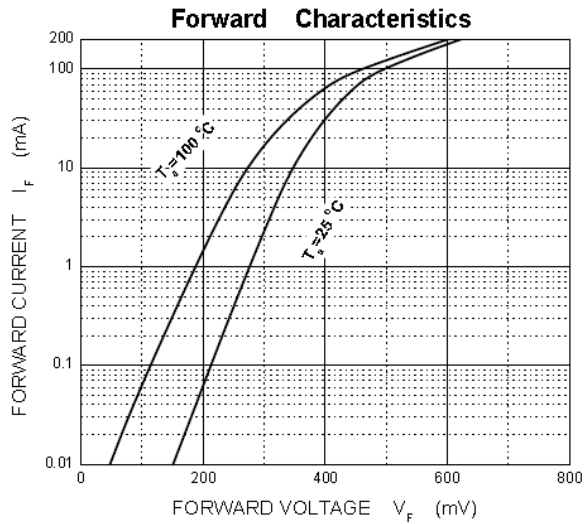
Maximum Ratings @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

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

Electrical Characteristics @ $T_A=25^{\circ}\text{C}$ unless otherwise specified

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R=100\mu\text{A}$	30	-	V
Reverse voltage leakage current	I_{R2}	$V_R=25\text{V}$	-	0.5	μA
Forward voltage	V_F	$I_F=2\text{mA}$	0.26	0.33	mV
		$I_F=15\text{mA}$	-	0.45	
		$I_F=100\text{mA}$	-	0.8	
Reverse recovery time	T_{rr}	$I_F=I_R=10\text{mA}$, $I_{rr}=0.1\times I_R$, $R_L=100\Omega$	-	5	ns

Technical Data
Data Sheet N1747, Rev. -



Technical Data

Data Sheet N1747, Rev. -

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