

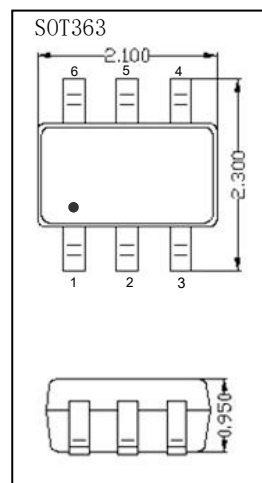
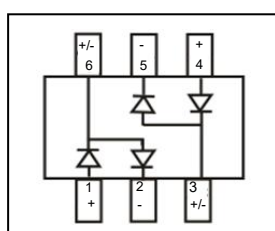
DATA SHEET

BAS40DW-04

- ◇ Low Forward Voltage Schottky Rectifier
- ◇ SOT363 Micro SMD package
- ◇ RoHS Compliant / Green EMC
- ◇ Matte Tin (Sn) Lead Finish

Device Marking Code	
BAS40DW-04	K44

Equivalent Circuit



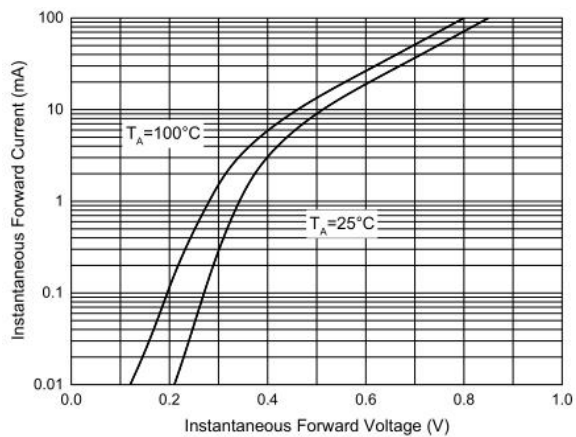
Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Unit
V_{RRM}	Repetitive Peak Reverse Voltage	40	V
V_R	DC Blocking Voltage	40	V
I_{FM}	Forward Continuous Current	200	mA
P_D	Power Dissipation	200	mW
$R_{\theta JA}$	Thermal Resistance From Junction To Ambient	500	°C/W
T_j	Junction Temperature	125	°C
T_{stg}	Storage Temperature	-55~+125	°C

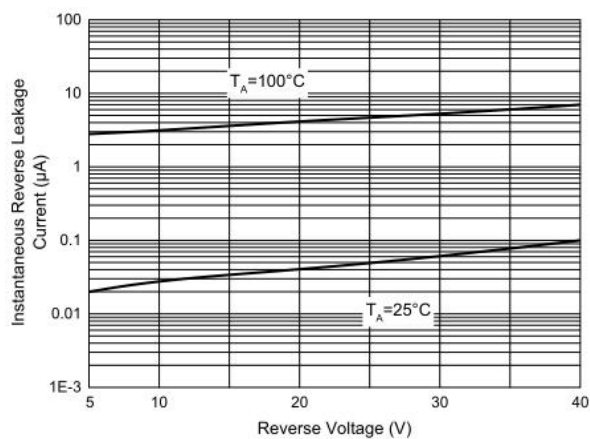
Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Test conditions	Min	Max	Unit
V_{BR}	Reverse Voltage	$I_R=10\mu A$	40		V
I_R	Reverse Current	$V_R=30V$		0.2	μA
V_F	Forward Voltage	$I_F=1mA$		0.38	V
		$I_F=40mA$		1.00	V
C_T	Total Capacitance	$V_R=0V, f=1.0MHz$		5.0	pF
t_{rr}	Reverse Recovery Time	$I_F=I_R=10mA$, $I_{RR}=1mA, R_L=100\Omega$		5.0	nS

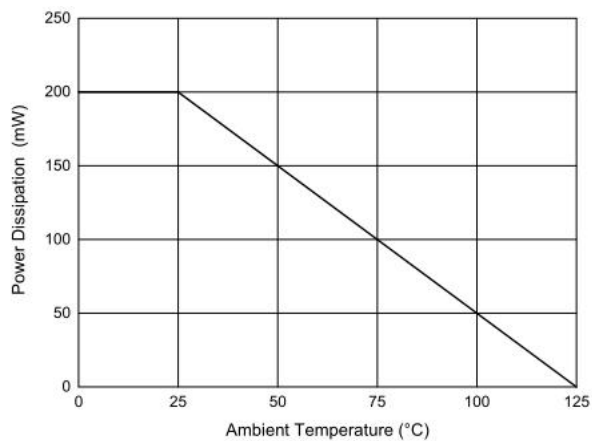
Typical Characteristics



Typical Instantaneous Forward Characteristics



Typical Reverse Leakage Characteristics



Power Derating Curve

Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
BAS40DW-04	SOT363	Tape & Reel 3000pcs /7" Reel	8mm	4mm	Conductive	

Package Dimensions

