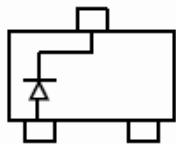


## SCHOTTKY DIODE

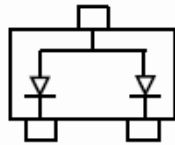
### FEATURES

- Low Forward Voltage
- Fast Switching

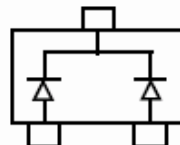
### MARKING



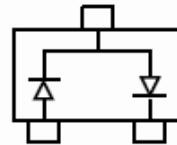
**BAS40: B1**



**BAS40-06: L2**



**BAS40-05: 45**



**BAS40-04: CB**

### BAS40/-04/-05/-06



### MAXIMUM RATINGS (TA=25°C unless otherwise noted)

Parameter	Symbol	Limits	Unit
Peak repetitive peak reverse voltage	$V_{RRM}$	40	V
Working peak reverse voltage	$V_{RWM}$		
Forward continuous Current	$I_{FM}$	200	mA
Power Dissipation	$P_D$	200	mW
Thermal Resistance. Junction to Ambient Air	$R_{JA}$	625	°C/W
Junction temperature	$T_J$	125	°C
Storage temperature range	$T_{STG}$	-65-125	°C

### Electrical Ratings @TA=25°C

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R=10\mu A$	40		V
Reverse voltage leakage current	$I_R$	$V_R=30V$		200	nA
Forward voltage	$V_F$	$I_F=1mA$		380	mV
		$I_F=40mA$		1000	
Diode capacitance	$C_D$	$V_R=0, f=1MHz$		5	pF
Reverse Recovery time	$t_{rr}$	$I_{rr}=1mA, I_R=I_F=10mA$ $R_L=100$		5	nS

**BAS40/-04/-05/-06 Typical Characteristics**

