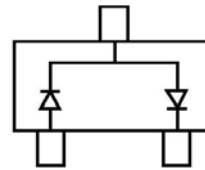
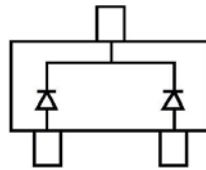
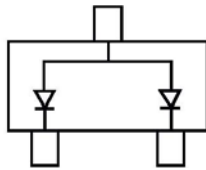
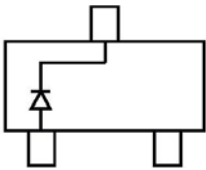




SOT-23 Plastic-Encapsulate Diodes

BAS40/-04/-05/-06 SCHOTTKY DIODE**FEATURES**

- Low Forward Voltage
- Fast Switching

SOT-23**Maximum Ratings @T_A=25°C**

Parameter	Symbol	Limits	Unit
Peak repetitive peak reverse voltage	V _{RRM}	40	V
Working peak reverse voltage	V _{RWM}		
DC Blocking Voltage	V _R		
Forward continuous Current	I _{FM}	200	mA
Power Dissipation	P _D	200	mW
Thermal Resistance. Junction to Ambient Air	R _{θJA}	625	°C/W
Junction temperature	T _J	125	°C
Storage temperature range	T _{STG}	-65-125	°C

ELECTRICAL CHARACTERISTICS (T_{amb}=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	V _(BR)	I _R = 10μA	40		V
Reverse voltage leakage current	I _R	V _R =30V		200	nA
Forward voltage	V _F	I _F =1mA I _F =40mA		380 1000	mV
Diode capacitance	C _D	V _R =0,f=1MHz		5	pF
Reverse Recovery time	t _{rr}	I _r =1mA, I _R =I _F =10mA R _L =100Ω		5	nS

Typical Characteristics

BAS40/-04/-05/-06

