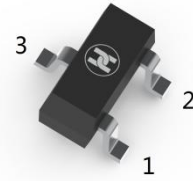
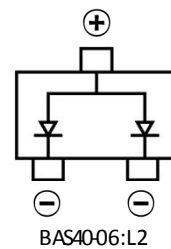


SCHOTTKY BARRIER DIODE
FEATURES

- Low Forward Voltage
- Fast Switching
- Surface Mount device
- For General Purpose Switching Applications


SOT-23

MECHANICAL DATA

- Case: SOT-23
- Case Material: Molded Plastic. UL flammability
- Classification Rating: 94V-0
- Moisture Sensitivity: Level 1 per J-STD-020
- Weight: 0.013 grams (approximate)

MAXIMUM RATINGS (T_A = 25°C unless otherwise noted)

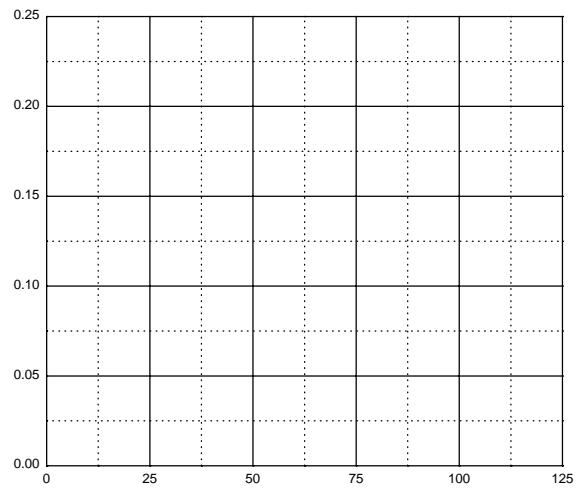
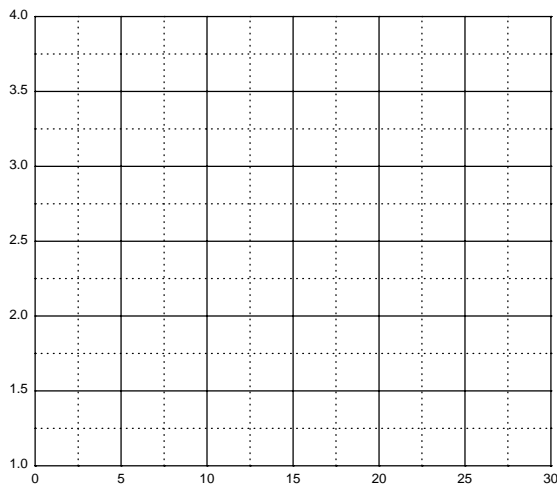
Parameter	Symbol	Value	Unit
Reverse Voltage	V _R	40	V
Peak Repetitive Peak Reverse Voltage	V _R RM		
Working Peak Reverse Voltage	V _R WM		
Forward Continuous Current	I _F	200	mA
Power Dissipation	P _D	200	mW
Thermal Resistance From Junction To Ambient	R _{JA}	500	°C/W
Junction Temperature	T _J	125	°C
Storage Temperature	T _{STG}	-55 ~+150	°C

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise specified)

Parameter	Symbol	Min	Max	Unit	Conditions
Reverse breakdown voltage	V _(BR)	40		V	I _R =10uA
Reverse voltage leakage current	I _R		200	nA	V _R =30V
Forward voltage	V _{F1}		0.38	V	I _{F1} =1 mA
	V _{F2}		1	V	I _{F2} =40mA
Diode capacitance	C _D		5	pF	V _R =0V, f=1MHz
Reverse recovery time	T _{rr}		5	nS	I _F =I _R =10mA I _{rr} =0.1×I _R R _L =100

SCHOTTKY BARRIER DIODE

Typical Characteristics



SCHOTTKY BARRIER DIODE

