

BAS70WS

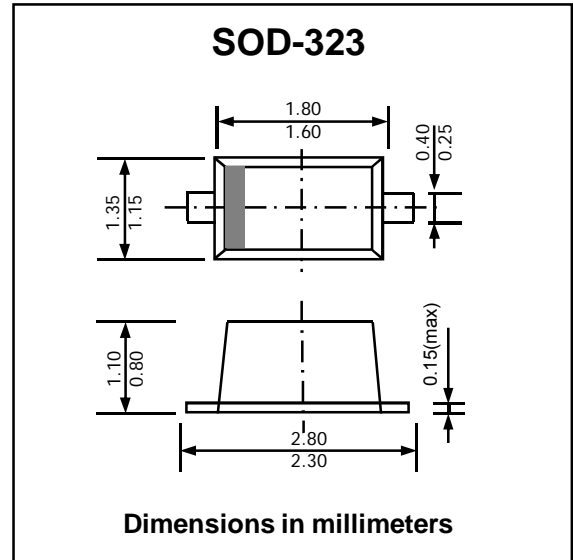
SIGNAL SCHOTTKY DIODE

FEATURES :

- * Low forward voltage drop
- * Small signal schottky diode

MECHANICAL DATA :

- * Case : SOD-323 plastic Case
- * Marking Code : SX



ABSOLUTE MAXIMUM RATINGS (Ta = 25 °C)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	70	V
Forward Continuous Current	I_F	70	mA
Surge Non-Repetitive Forward Current (tp = 10 ms)	I_{FSM}	1	mA
Total Power Dissipation	P_{tot}	230	mW
Thermal Resistance Junction to Ambient (Note 1)	$R_{\theta JA}$	550	°C/W
Junction Temperature Range	T_J	150	°C
Storage Temperature Range	T_{STG}	-65 to +150	°C

ELECTRICAL CHARACTERISTICS (Ta = 25 °C)

Parameter	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage	$I_R = 10 \mu A$	$V_{(BR)}$	70	-	-	V
Revers Current	$V_R = 50 V$	I_R	-	-	100	nA
Forward Voltage	$I_F = 1.0 mA$	V_F	-	-	410	mV
Diode Capacitance	$V_R = 0 V, f = 1 MHz$	C_{tot}	-	-	2	pF

Note : (1) Mounted on epoxy board, with recommended pad layout.