

## B5818W SCHOTTKY BARRIER DIODE

### FEATURES

Power dissipation

$P_D$ : 450 mW ( $T_{amb}=25^\circ\text{C}$ )

Collector current

$I_F$ : 1 A

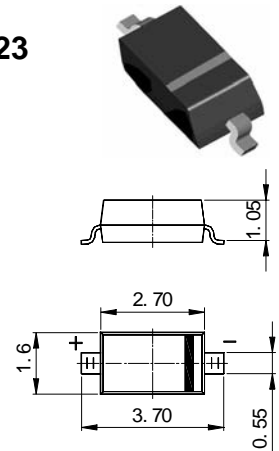
Collector-base voltage

$V_R$ : 30 V

Operating and storage junction temperature range

$T_J, T_{stg}$ :  $-55^\circ\text{C}$  to  $+150^\circ\text{C}$

**SOD-123**



Unit: mm

**MARKING: SK**

### ELECTRICAL CHARACTERISTICS ( $T_{amb}=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 1\text{mA}$	30		V
Reverse voltage leakage current	$I_R$	$V_R = 20\text{V}$		1	mA
Forward voltage	$V_F$	$I_F = 1\text{A}$ $I_F = 3\text{A}$		0.55 0.875	V
Diode capacitance	$C_D$	$V_R = 4\text{V}, f = 1\text{MHz}$		110	pF