



JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD

SOD-123 Plastic-Encapsulate Diode

B5818W SCHOTTKY BARRIER DIODE

FEATURES

Power dissipation

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

Collector current

I_F : 1 A

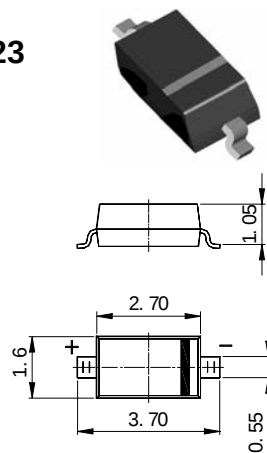
Collector-base voltage

V_R : 30 V

Operating and storage junction temperature range

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

SOD-123



Unit: mm

MARKING: SK

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

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