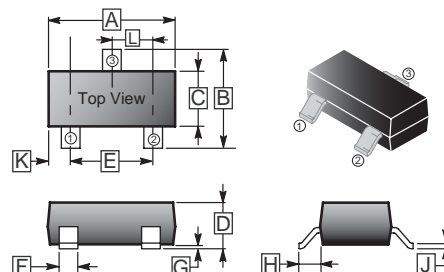


RoHS Compliant Product  
A suffix of "-C" specifies halogen and lead free

## FEATURES

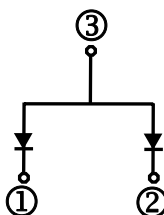
- High reliability
- Suitable for high packing density layout
- Fast reverse recovery time :  $t_{rr} = 1.5\text{ns}$  (typ.)

## SOT-23



## PACKAGING INFORMATION

Weight: 0.0078 g (Approx.)



## MARKING CODE

P

REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.80	3.04	G	0.09	0.18
B	2.10	2.55	H	0.45	0.60
C	1.20	1.40	J	0.08	0.177
D	0.89	1.15	K	0.6 REF.	
E	1.80	2.00	L	0.89	1.02
F	0.30	0.50			

## ABSOLUTE MAXIMUM RATINGS (at $T_a = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Ratings	Unit
Peak Reverse Voltage	$V_{RM}$	80	V
DC Reverse Voltage	$V_R$	80	V
Maximum (Peak) Forward Current	$I_{FM}$	300	mA
Average Forward Current	$I_O$	100	mA
Power Dissipation	$P_D$	200	mW
Junction, Storage Temperature	$T_J, T_{STG}$	+150, -55 ~ +150	$^\circ\text{C}$

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Reverse Breakdown Voltage	$V_{(BR)}$	80	-	-	V	$I_R = 100 \mu\text{A}$
Forward Voltage	$V_F$	-	-	1.2	V	$I_F = 100 \text{mA}$
Reverse Voltage Leakage Current	$I_R$	-	-	0.1	$\mu\text{A}$	$V_R = 70\text{V}$
Diode Capacitance	$C_D$	-	-	3.5	pF	$V_R = 6 \text{V}, f = 1 \text{MHz}$
Reverse Recovery Time	$t_{rr}$	-	-	4.0	ns	$V_R = 6 \text{V}, I_F = 5 \text{mA}$

**CHARACTERISTIC CURVES**

SCS202PK

