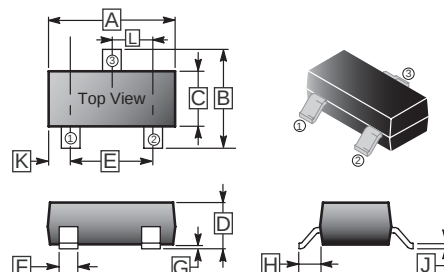


RoHS Compliant Product
A suffix of "-C" specifies halogen and lead free

FEATURES

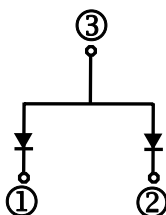
- High reliability
- Suitable for high packing density layout
- Fast reverse recovery time : $t_{rr} = 1.5\text{ns}$ (typ.)

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	μA	$V_R = 70\text{V}$
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

