Elektronische Bauelemente

SCS202ND

VOLTAGE 80V 0.1A

SC-59 Types

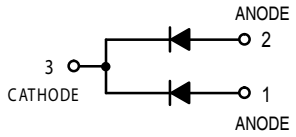
Surface Mount Switching Diode

RoHS Compliant Product

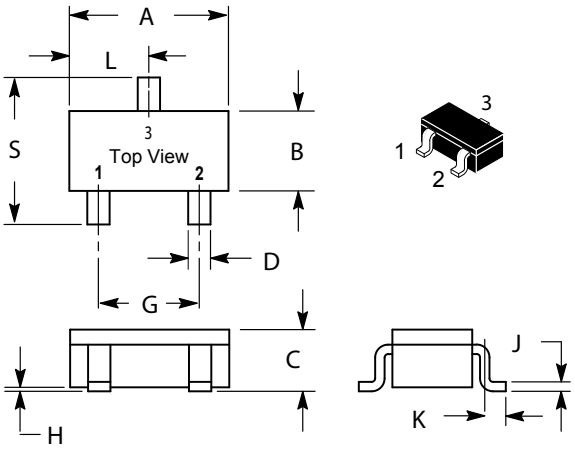
A suffix of "-C" specifies halogen & lead-free

Description

The SCS202ND is designed for ultra high speed switching.



SCS202ND marking: A3 and A3A



SC-59		
Dim	**Min**	**Max**
A	2.70	3.10
B	1.30	1.70
C	1.00	1.30
D	0.35	0.50
G	1.70	2.30
H	0.00	0.10
J	0.10	0.26
K	0.20	0.60
L	1.25	1.65
S	2.25	3.00
All Dimension in mm		

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	℃
Storage Temperature	Tstg	-55 ~ +150	℃
Peak Reverse Voltage	VRM	80	V
DC Reverse Voltage	VR	80	V
Mean Rectifying Current	IO	100	mA
Peak Forward Current	IFM	300	mA
Peak Forward Surge Current (1uSec)	IFSM	4	A
Total Power Dissipation	PD	200	mW

Electrical Characteristics (at T_A = 25℃ unless otherwise noted)

Parameter	Symbol	Min.	Max.	Unit	Test Conditions
Reverse Voltage	VR	80	-	V	IR=100uA
Forward Voltage	VF	-	1.2	V	IF=100mA
Reverse Current	IR	-	0.1	uA	VR=70V
Capacitance between terminals	CT		3.5	pF	VR=6V, f=1MHz
Reverse Recovery Time	Trr	-	4	nS	VR=6V, IF=5mA

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SCS202ND

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SC-59 Types

Surface Mount Switching Diode

RATING AND CHARACTERISTIC CURVES (SCS202ND)

FIG. 1 - TYPICAL FORWARD CURRENT DERAING CURVE

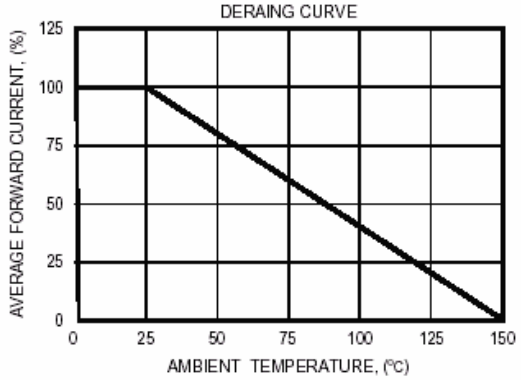


FIG. 2 - FORWARD CHARACTERISTICS

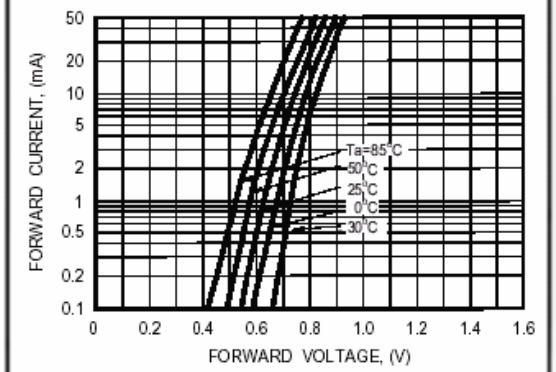


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

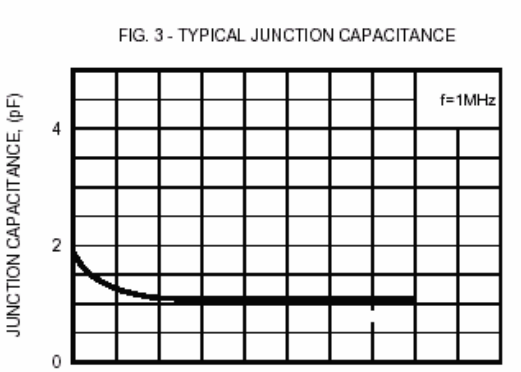


FIG. 4 - REVERSE CHARACTERISTICS

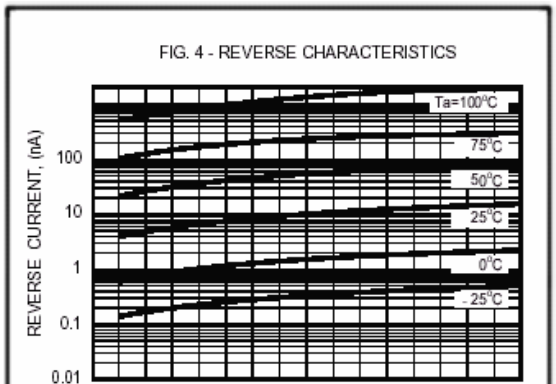


FIG. 5 - REVERSE RECOVERY TIME

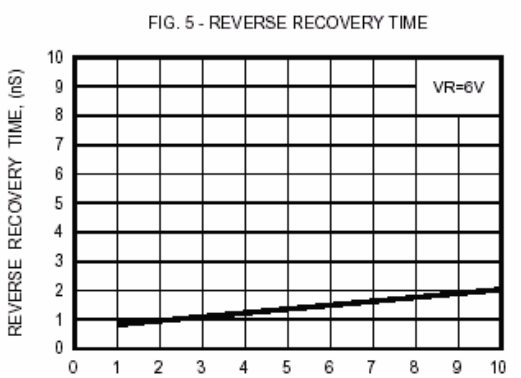


FIG. 6 - REVERSE RECOVERY TIME MEASUREMENT CIRCUIT

