

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

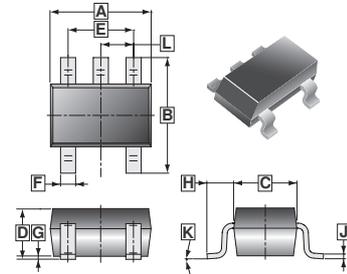
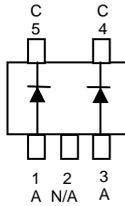
SOT-353

FEATURES

- ◆ Low current rectification
- ◆ High reliability

MARKING

3T



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.00	2.20	G	0.100	REF.
B	2.15	2.45	H	0.525	REF.
C	1.15	1.35	J	0.08	0.15
D	0.90	1.10	K	8°	
E	1.20	1.40	L	0.650 TYP.	
F	0.15	0.35			

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.

TYPE NUMBER	SYMBOL	VALUE	UNIT
Peak Reverse Voltage	V_{RM}	45	V
DC Reverse	V_R	40	V
Peak Forward Current	I_{FM}	1	A
Mean Rectifying Current	I_O	0.1	A
Junction & Storage Temperature	T_J, T_{STG}	125, -40~125	°C

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.

PARAMETER	SYMBOL	TYP	MAX	UNIT	TEST CONDITION
Reverse Current	I_R		1	μA	$V_R=10V$
			5	μA	$V_R=40V$
Forward Voltage	V_F		450	mV	$I_F=10mA$
			600	mV	$I_F=100mA$
Capacitance between Terminals	C_T		25	pF	$V_R=0V$
		6		pF	$V_R=10V, f=1MHz$

RATINGS AND CHARACTERISTIC CURVES

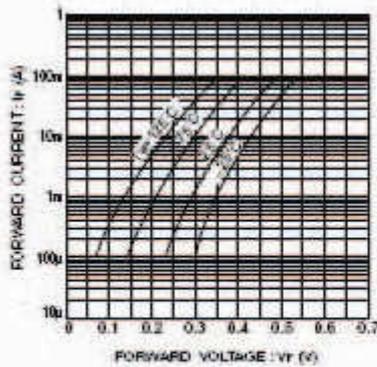


Fig.1 Forward temperature characteristics

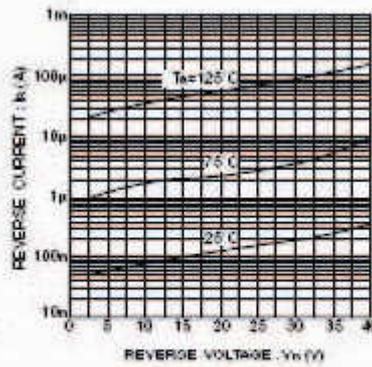


Fig.2 Reverse temperature characteristics

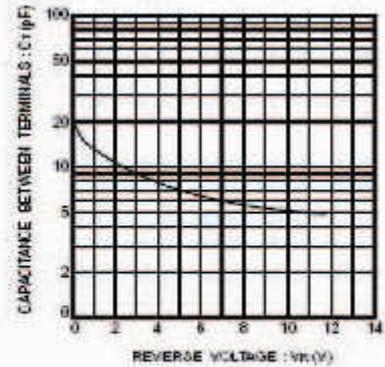


Fig.3 Capacitance between terminals characteristics

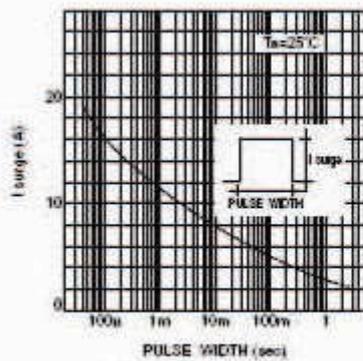


Fig.4 Surge current characteristics