

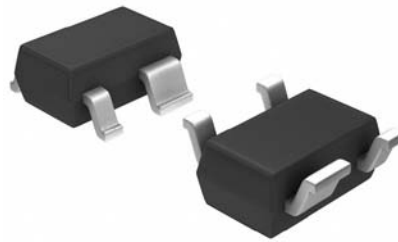
Dual Schottky Barrier Diode

■ Features

- Low current rectification
- High reliability

■ Package

- SOT-343



■ Ordering Information

Part Number	Storage Temperature	Package	Marking	Devices Per Reel
LN2S480K	-55°C to +150°C	SOT-343	3T	3000

■ Absolute Maximum Ratings

(TA=25°C unless otherwise noted)

Parameter	Symbol	Limits	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 temperature	T_j	125	°C
Storage Temperature	T_{STG}	-40~+125	°C

Electrical Characteristics

(TA=25°C unless otherwise noted)

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F=10\text{mA}$			450	mV
		$I_F=100\text{mA}$			600	
Reverse current	I_R	$V_R=10\text{V}$			1	μA
		$V_R=40\text{V}$			5	
Capacitance between terminals	C_T	$V_R=0\text{V}$		6	25	pF
		$V_R=10\text{V}, f=1\text{MHz}$				

Typical Performance Characteristics

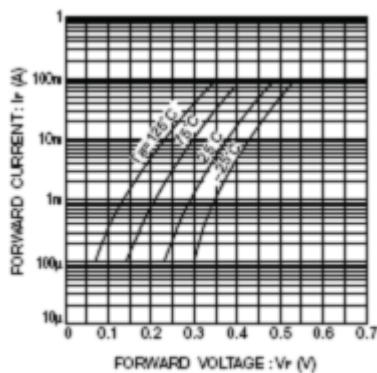


Fig.1 Forward temperature characteristics

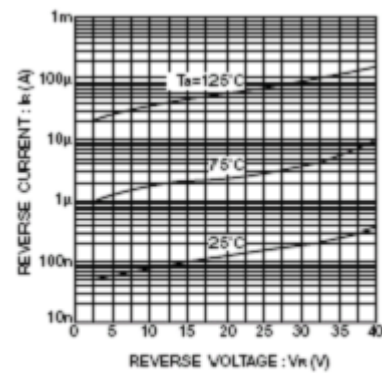


Fig.2 Reverse temperature characteristics

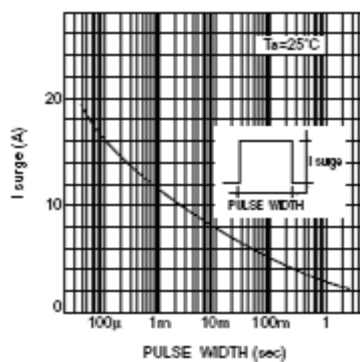


Fig.4 Surge current characteristics

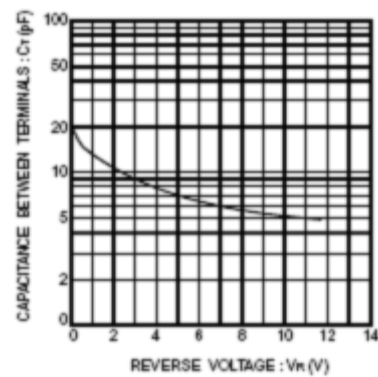
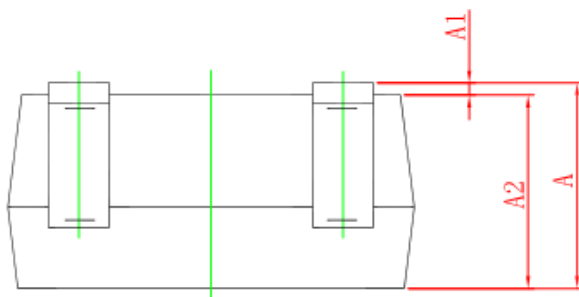
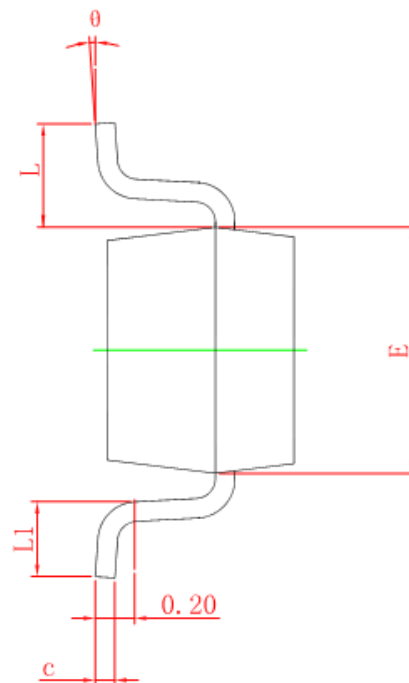
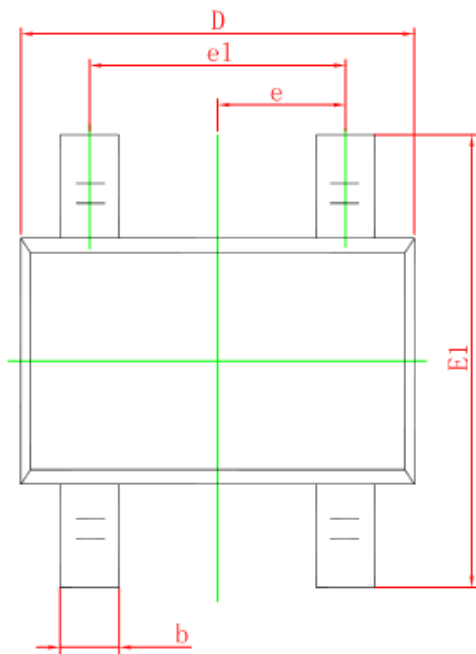


Fig.3 Capacitance between terminals characteristics

Package Information

- SOT-343



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.100	0.035	0.043
A1	0.000	0.100	0.000	0.004
A2	0.900	1.000	0.035	0.039
b	0.150	0.350	0.006	0.014
c	0.080	0.150	0.003	0.006
D	2.000	2.200	0.079	0.087
E	1.150	1.350	0.045	0.053
E1	2.150	2.450	0.085	0.096
e	0.650 TYP		0.026 TYP	
e1	1.200	1.400	0.047	0.055
L	0.525 REF		0.021 REF	
L1	0.260	0.460	0.010	0.018
θ	0°	8°	0°	8°