

Features

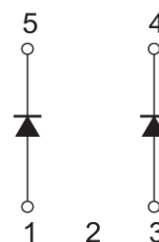
- High speed
- Suitable for high packing density layout
- High reliability



Marking and pin assignment



SOT-353 top view



Schematic diagram



Halogen-Free

Maximum Ratings @T_a=25°C

Symbol	Parameter	Value	Unit
V _{RM}	Non-Repetitive Peak Reverse Voltage	80	V
V _R	DC Blocking Voltage	80	V
I _{FM}	Forward Continuous Current	300	mA
I _{FSM}	Non-Repetitive Peak Forward Surge Current @t=8.3ms	2.0	A
I _O	Average Rectified Output Current	100	mA
P _D	Power Dissipation	200	mW
R _{θJA}	Thermal Resistance Junction to Ambient	625	°C/W
T _J , T _{STG}	Operating and Storage Temperature Range	-55~ +150	°C

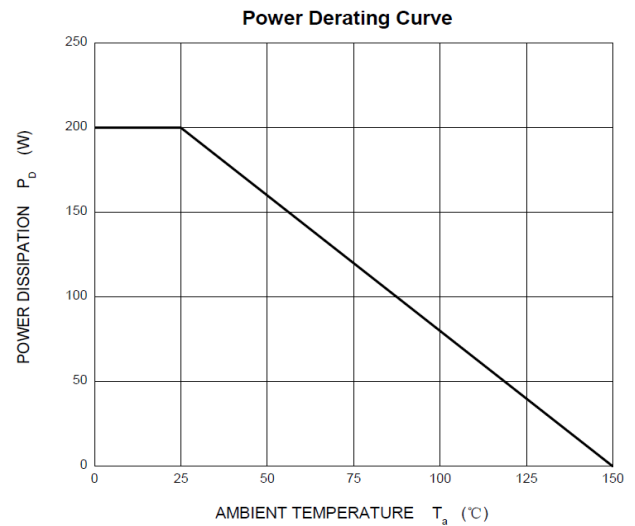
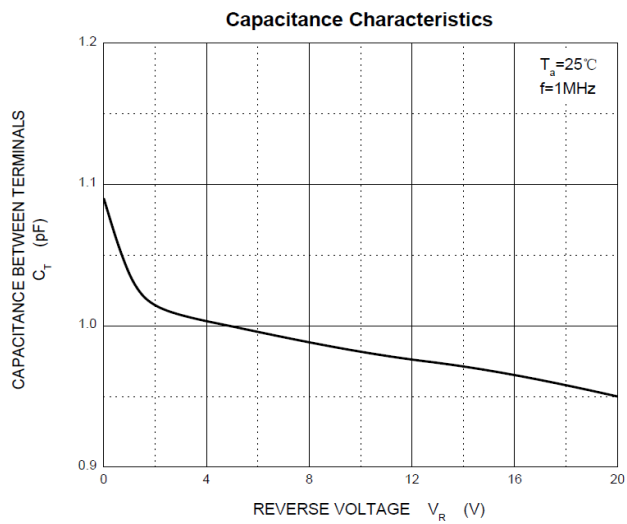
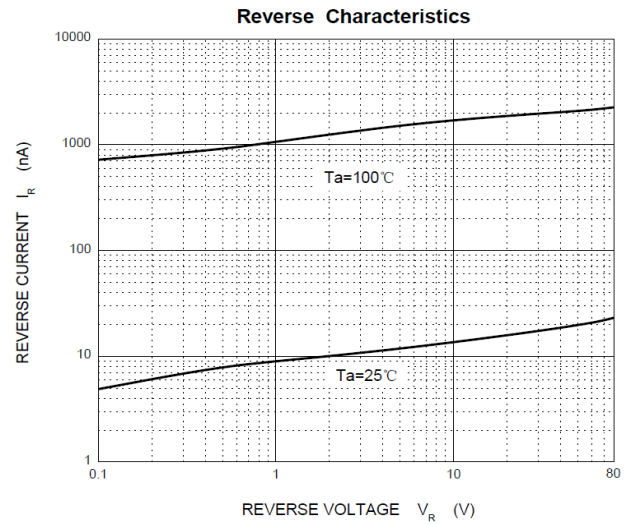
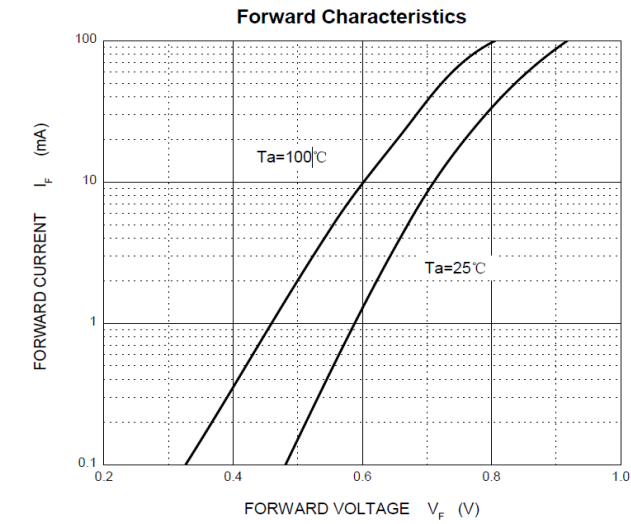
ELECTRICAL CHARACTERISTICS(T_a=25°C unless otherwise specified)

Symbol	Parameter	Condition	Min	Typ	Max	Unit
V _(BR)	Reverse voltage	I _R =100μA	80	--	--	V
I _R	Reverse current	V _R =70V	--	--	0.1	μA
V _F	Forward voltage	I _F =100mA	--	--	1.2	V
C _D	Total capacitance	V _R =6V, f=1MHz	--	--	3.5	pF
t _{rr}	Reverse recovery time	V _R =6V, I _F =5mA	--	--	4	ns

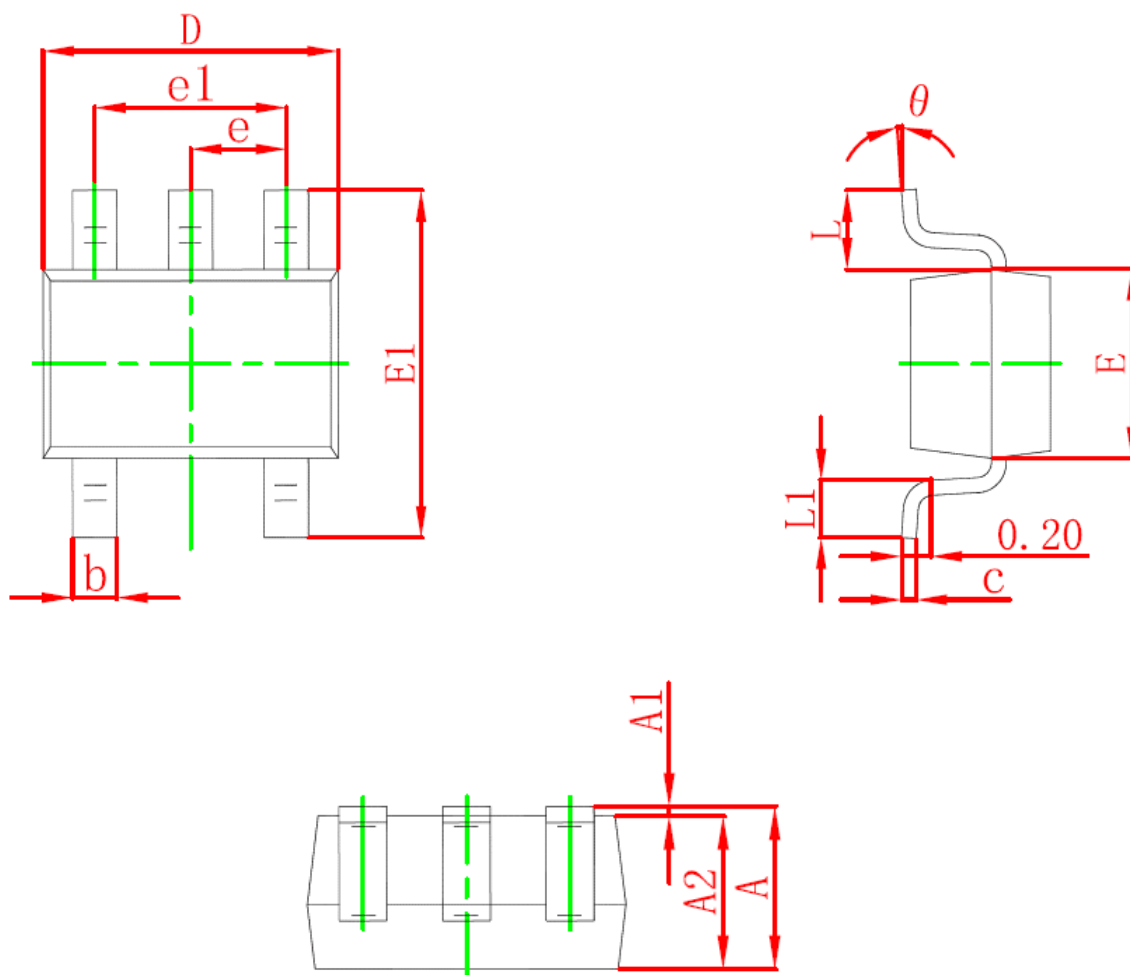
Ordering Information (Example)

Type	Package	Marking	Minimum Package(pcs)	Inner Box Quantity(pcs)	Outer Carton Quantity(pcs)	Delivery Mode
DA227	SOT-353	N20	3,000	45,000	180,000	7"reel

Typical Operating Characteristics



SOT-353 Package information



Symbol	Dimensions in Millimeters(mm)		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	0.010	0.150	0.004	0.006
D	2.000	2.200	0.079	0.087
E	1.150	1.350	0.045	0.053
E1	2.150	2.400	0.085	0.094
e	0.650TYP		0.026TYP	
e1	1.200	1.400	0.047	0.055
L	0.525REF		0.021REF	
L1	0.260	0.460	0.010	0.018
θ	0°	8°	0°	8°