

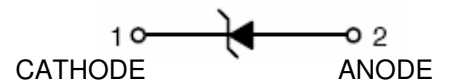
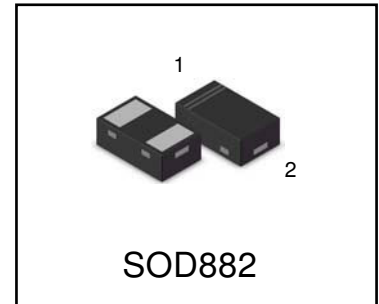
LNZ8B16VT5G

S-LNZ8B16VT5G

ZENER VOLTAGE REGULATORS

1. FEATURES

- We declare that the material of product compliance with RoHS requirements and Halogen Free.
- S- prefix for automotive and other applications requiring unique site and control change requirements; AEC-Q101 qualified and PPAP capable.



2. DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LNZ8B16VT5G	V1	10000/Tape&Reel

3. MAXIMUM RATINGS(Ta = 25°C)

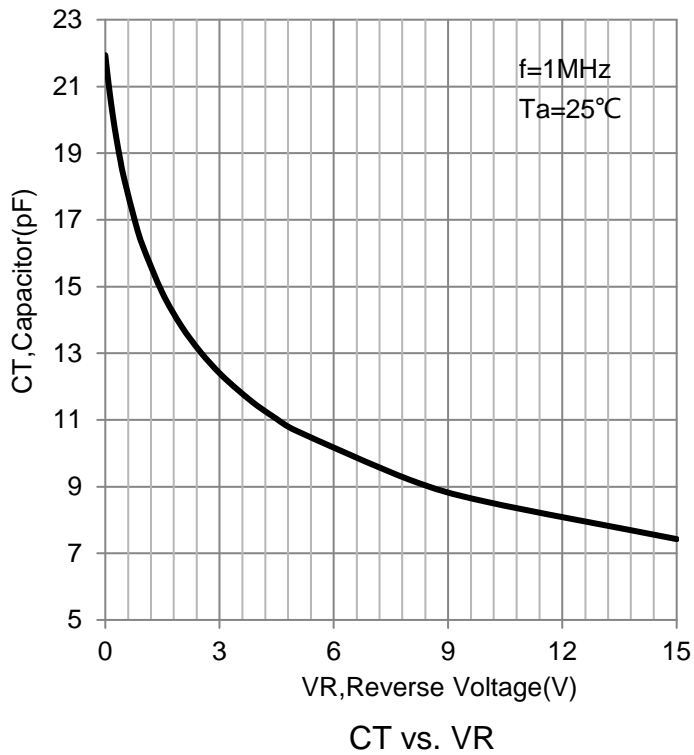
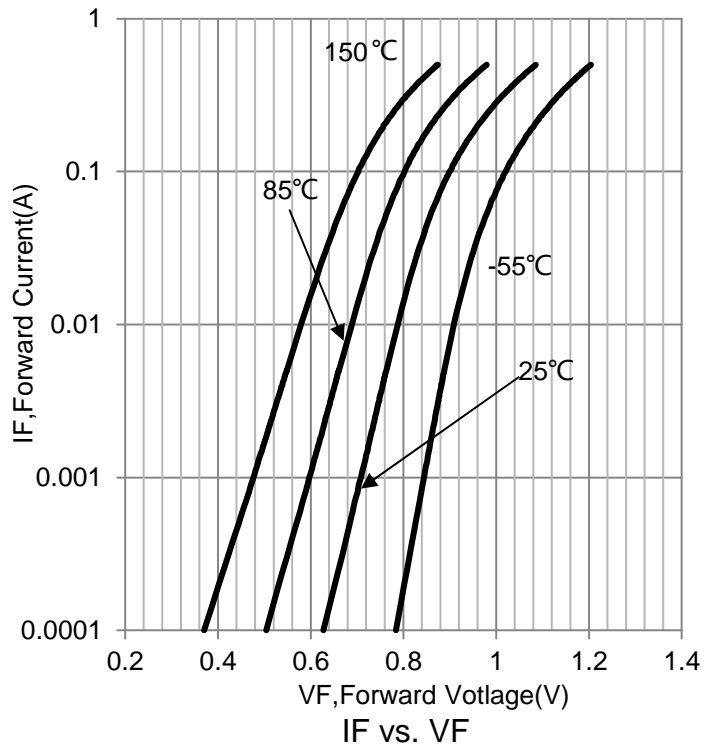
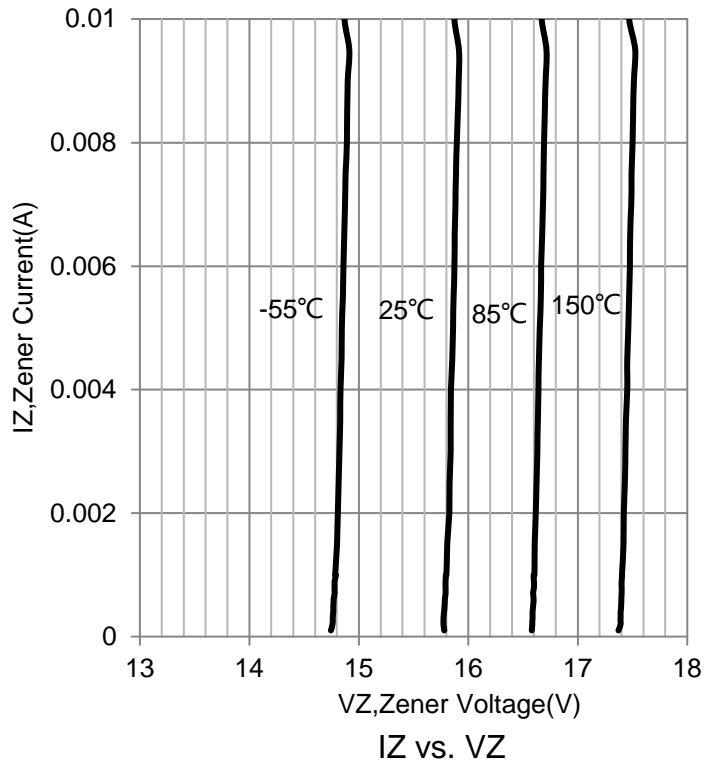
Parameter	Symbol	Limits	Unit
Total Power Dissipation, @ TA = 25°C	PD	250	mW
Forward Voltage @ IF=10mA	VF	0.9	V
Junction and Storage temperature	TJ,Tstg	-55~+150	°C

1.Refer to SOD882 standard mounting conditions (footprint), FR4 with 60 μm copper strip line.

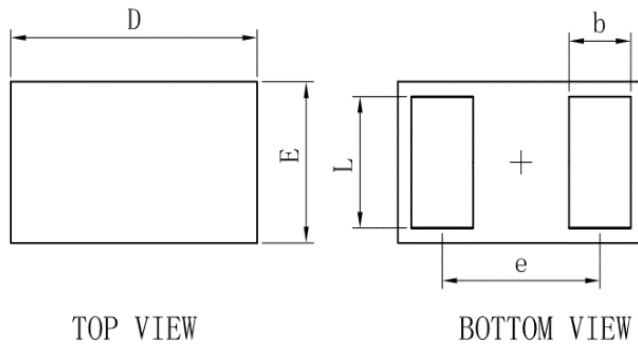
4. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

Device	Zener voltage			Operating resistance		Rising operating resistance		Reverse current	
	VZ (V)			ZZ (Ohm)		Zzk (Ohm)		IR(nA)	
	Min.	Max.	IZ (mA)	Max.	IZ (mA)	Max.	IZ (mA)	Max.	VR (V)
LNZ8B16VT5G	15.68	16.32	5	40	5	200	1.0	50	11.2

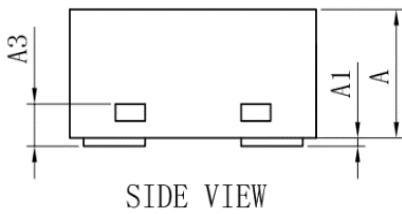
5.ELECTRICAL CHARACTERISTICS CURVES



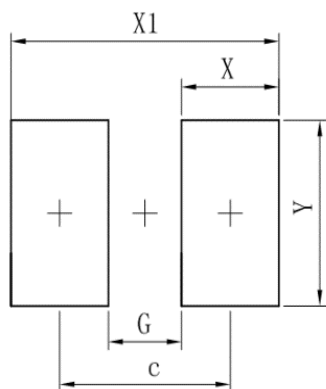
6. OUTLINE AND DIMENSIONS



SOD882			
Dim	Min	Typ.	Max
D	0.95	1.00	1.05
E	0.55	0.60	0.65
e	-	0.64	-
L	0.44	0.49	0.54
b	0.20	0.25	0.30
A	0.43	0.48	0.53
A1	0	-	0.05
A3	0.127REF.		
All Dimensions in mm			



7. SOLDERING FOOTPRINT



Dimensions	(mm)
c	0.70
G	0.30
X	0.40
X1	1.10
Y	0.70