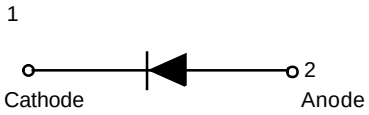
LNZ8F5V6T5G
S-LNZ8F5V6T5G

Zener Voltage Regulators
200 mW SOD−Surface Mount





1. FEATURES

- Standard Zener Breakdown Voltage Range − 2.4 V to 24 V
- Steady State Power Rating of 200 mW
- ESD Rating of Class 3 (>16 kV) per Human Body Model
- 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
LNZ8F5V6T5G	5	10000/Tape&Reel

3. MAXIMUM RATINGS(Ta = 25ºC)

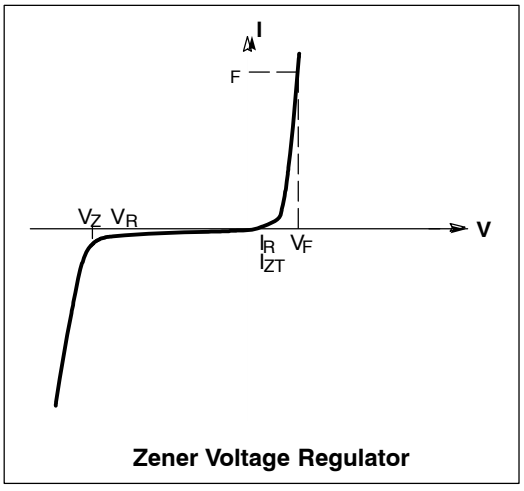
Parameter	Symbol	Limits	Unit
Total Device Dissipation, FR−5 Board (Note 1) @ TA = 25ºC	PD	200	mW
Junction and Storage temperature	TJ,Tstg	−65 ～+150	°C

4. ELECTRICAL CHARACTERISTICS

Device	Zener Voltage (Note1)				Zener Impedance			Leakage Current				θVZ		C(PF)
	VZ (Volts)			@ IZT	@ IZT	ZZK @ IZK		IR @ VR		IR @ VR		(mV/k) @ IZT		@ VR = 0 f = 1 MHz
	Min	Typ.	Max	mA	Ω	Ω	mA	μA	Volts	μA	Volts	Min	Max	Max
LNZ8F5V6T5G	5.32	5.6	5.88	5	60	200	0.5	10	3.8	1	2.5	-2	2.5	115

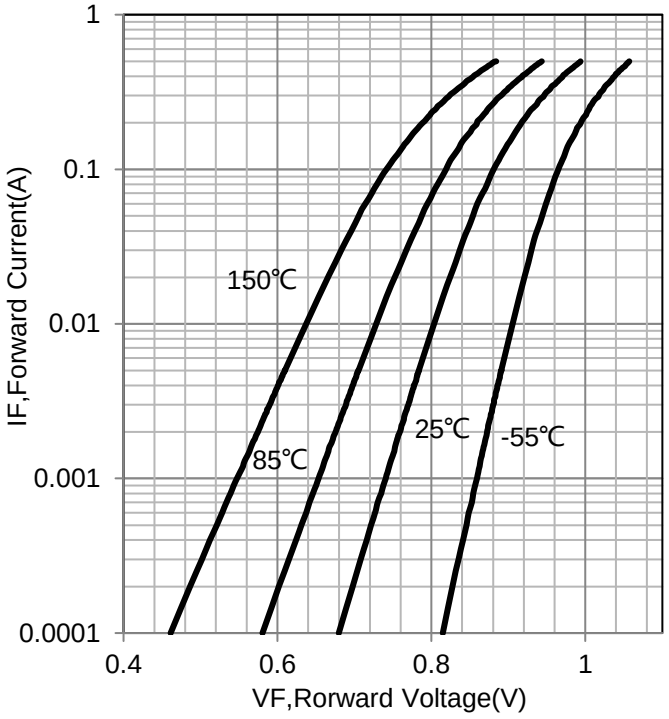
1. Zener voltage is measured with a pulse test current IZ at an ambient temperature of 25°C.
2.TA = 25°C unless otherwise noted, VF = 0.9 V Max. @ IF = 10 mA for all types)

Symbol	Parameter
VZ	Reverse Zener Voltage @ IZT
IZT	Reverse Current
ZZT	Maximum Zener Impedance @ IZT
IZK	Reverse Current
ZZK	Maximum Zener Impedance @ IZK
IR	Reverse Leakage Current @ VR
VR	Reverse Voltage
IF	Forward Current
VF	Forward Voltage @ IF
θVZ	Maximum Temperature Coefficient of VZ
C	Max. Capacitance @VR = 0 and f = 1 MHz

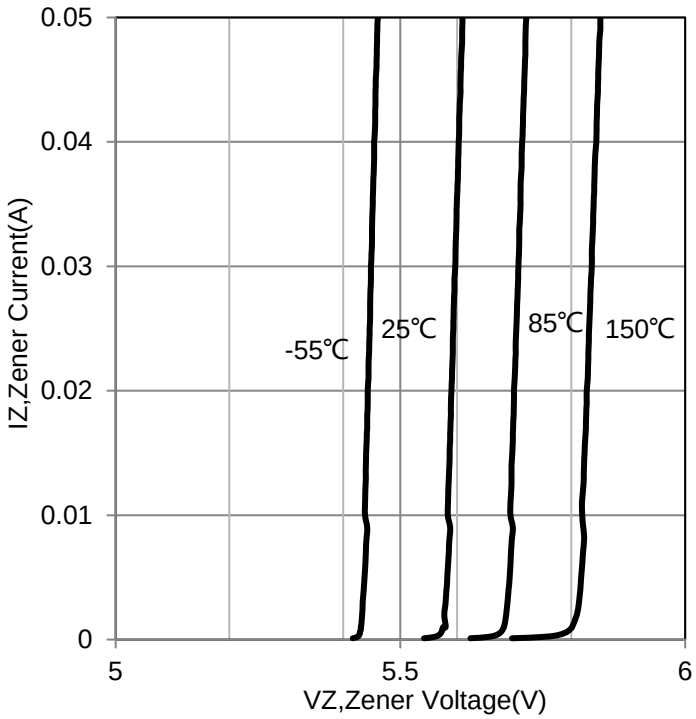


Zener Voltage Regulator

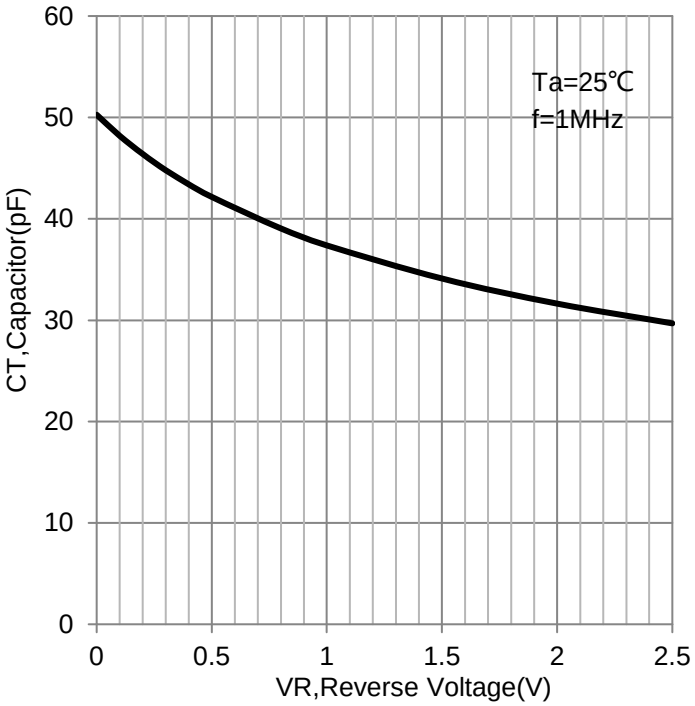
5. ELECTRICAL CHARACTERISTICS CURVES



IF vs. VF

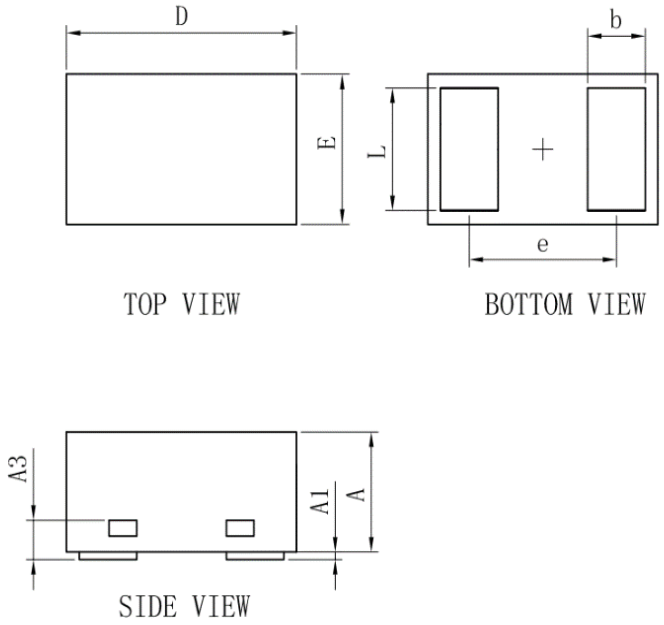


IZ VS. VZ



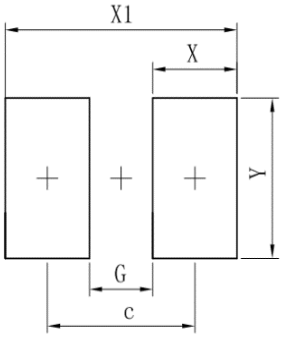
CT vs. VR

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

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LRC:

L2N7002FLT1G LM5Z3V3T1G LMBTA13LT1G LTL431APTLT1G LUDZS5.6BT1G S-LUDZS3.3BT1G L2N7002KWT1G SM2100AF SZA12A L1SS184LT1G LM3Z5V6T1G LM5Z7V5T1G LMBR1100ET1G LMSZ5248BT1G LMSZ5252BT1G LDTC123JET1G LMBTA92LT1G LM3Z18VT1G LMBR0520T1G S-LMSZ5265BT1G LMSZ5243BT1G SZAF5.1A L9014QLT1G LESD5Z5.0T1G LMBT4403LT1G LMBT4401LT1G LMSZ5245BT1G LR78M05D P6KE150A S-L1N4148WT1G