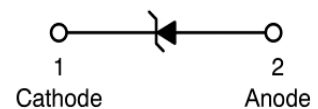
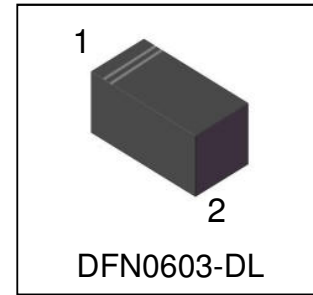


# LNZ11F7V5T5G

## S-LNZ11F7V5T5G

### SURFACE MOUNT ZENER DIODE



#### 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.
- Small Surface Mount Package (0.61 x 0.31mm)
- Ultra-Low Profile Package (0.28mm)
- Steady State Power Rating of 250 mW
- Low Leakage Current
- Ideally Suited for Automated Assembly Processes

#### 2. DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LNZ11F7V5T5G	a	15000/Tape&Reel

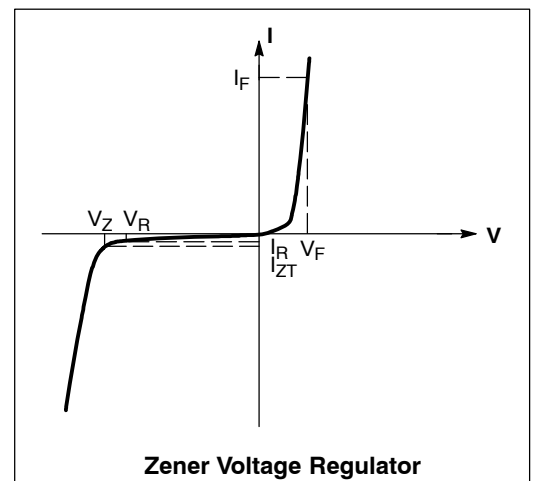
#### 3. MAXIMUM RATINGS(Ta = 25°C)

Parameter	Symbol	Limits	Unit
Total Power Dissipation on FR-5 Board(Note 1) @ TA = 25°C	PD	250	mW
Thermal Resistance, Junction to Ambient(Note 1)	RθJA	500	°C/W
Junction and Storage Temperature Range	TJ,Tstg	-55 ~ +150	°C

1. FR-5 = 1.0×0.75×0.062 in.

#### 4. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

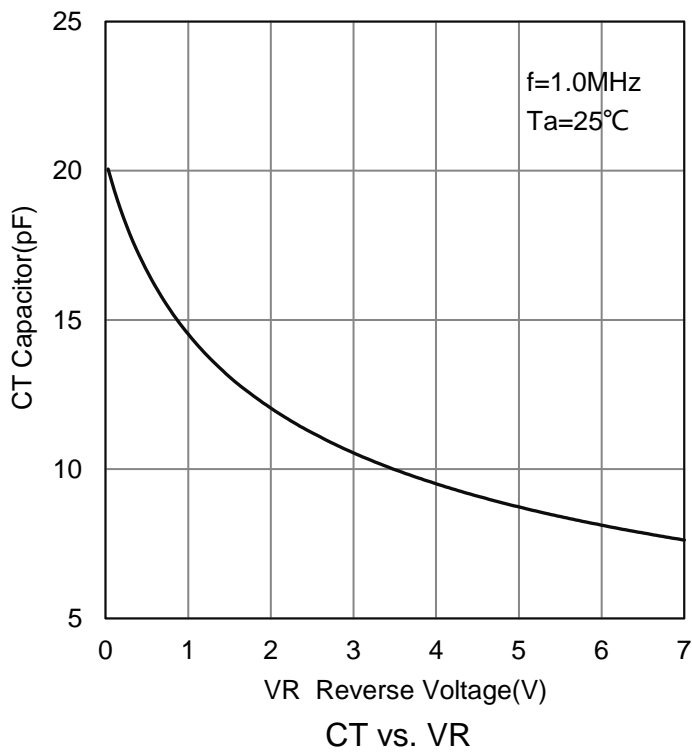
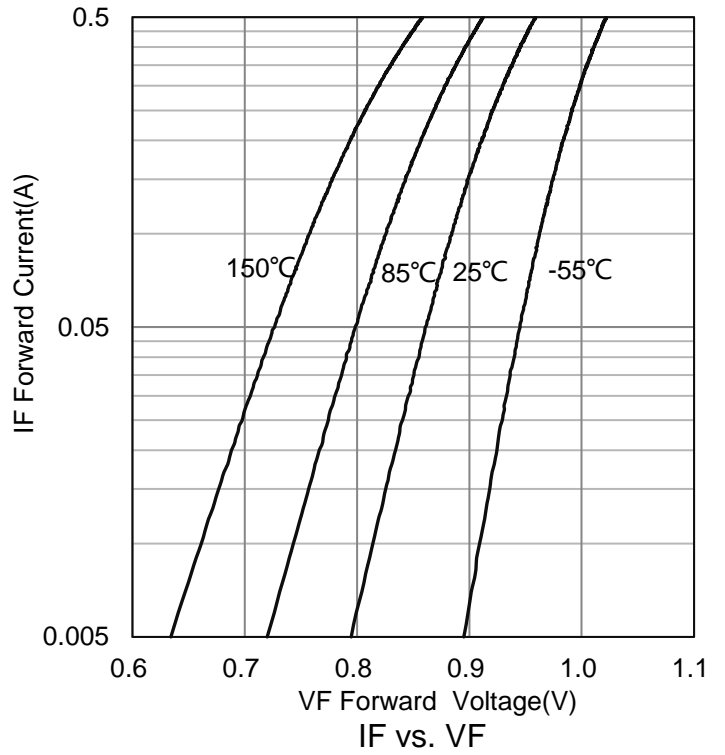
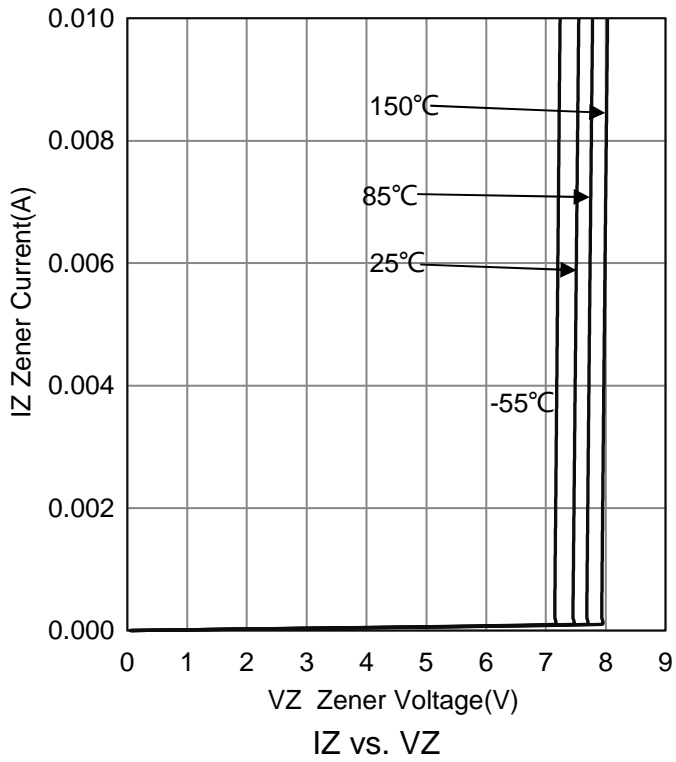
Symbol	Parameter
VZ	Reverse Zener Voltage @ IZT
IZT	Reverse Current
ZZT	Maximum Zener Impedance @ IZT
IZK	Reverse Current
ZZK	Maximum Zener Impedance @ IZK
IR	Reverse Leakage Current @ VR
VR	Reverse Voltage
IF	Forward Current
VF	Forward Voltage @ IF
θVZ	Maximum Temperature Coefficient of VZ
C	Max. Capacitance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



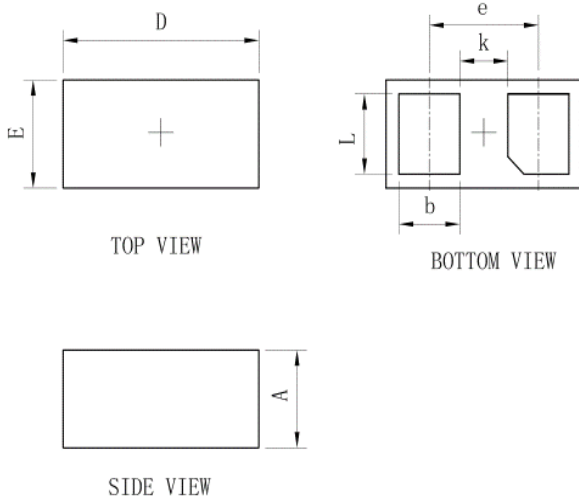
**5. ELECTRICAL CHARACTERISTICS**

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Zener Voltage (IZT=5mA)	VZ	7.11	-	7.9	V
Reverse Leakage Current (VR=5V)	IR	-	-	1	μA

**6.ELECTRICAL CHARACTERISTICS CURVES**

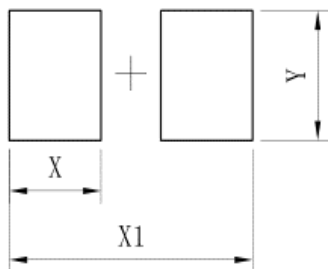


### 7. OUTLINE AND DIMENSIONS



DFN0603-DL			
Dim	Min	Typ.	Max
D	0.58	0.61	0.64
E	0.28	0.31	0.34
e	-	0.34	-
L	0.20	0.23	0.26
b	0.16	0.19	0.22
A	0.25	0.28	0.31
k	0.12	0.15	0.18
All Dimensions in mm			

### 8. SOLDERING FOOTPRINT



DFN0603-DL	
DIM	(mm)
X	0.23
X1	0.61
Y	0.30