

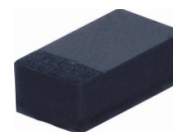
CZRZ5V6B-HF

Voltage 5.6 Volts

Power 100 mW

RoHS Device

Halogen Free

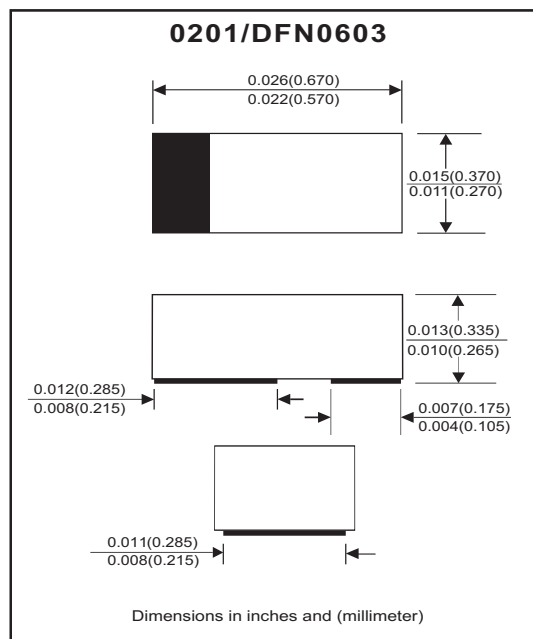


Features

- 100mW Power Dissipation.
- Voltages : 5.6 V
- High reliability.
- Designed for mounting on small surface.
- Extremely thin/leadless package.

Mechanical data

- Case: 0201/DFN0603 package, molded plastic.
- Terminals: Gold plated, solderable per MIL-STD-750, method 2026.
- Marking code: Cathode band & 7
- Mounting position: Any



Circuit diagram



Maximum Rating (at TA=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Maximum Forward Voltage Drop at $I_F = 10 \text{ mA}$	V_F	0.9	V
Maximum Power Dissipation at 25 °C	P_D	100	mW
Junction Temperature	T_J	125	°C
Operating Temperature Range	T_{opr}	-55 to +125	°C
Storage Temperature Range	T_{stg}	-55 to +125	°C

Electrical Characteristics (at TA=25°C unless otherwise noted)

Parameter	Conditions	Symbol	Min	Typ	Max	Unit
Nominal zener voltage	$I_Z = 5 \text{ mA}$	V_{RWM}	5.31	5.60	5.92	V
Maximum reverse leakage current	$V_R = 2.5 \text{ V}$	I_R			1	uA

RATING AND CHARACTERISTIC CURVES (CZRZ5V6B-HF)

Fig. 1 - Forward characteristics

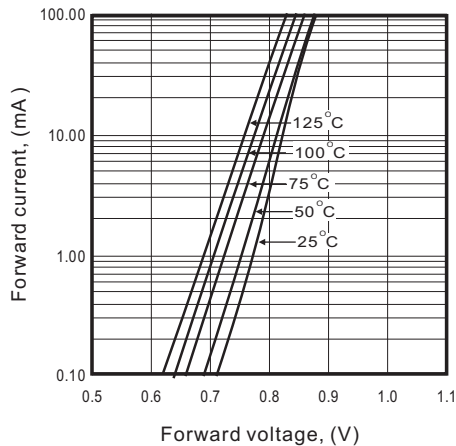


Fig. 2 - Zener Voltage characteristic

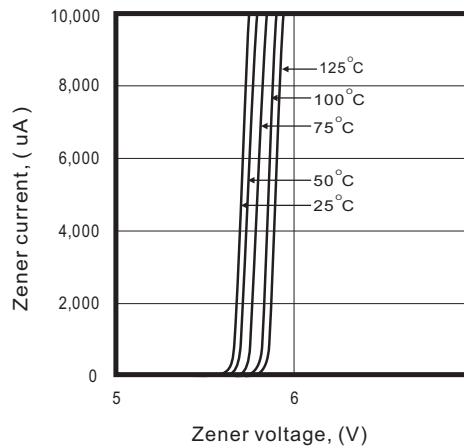


Fig.3 - Capacitance between terminals characteristics

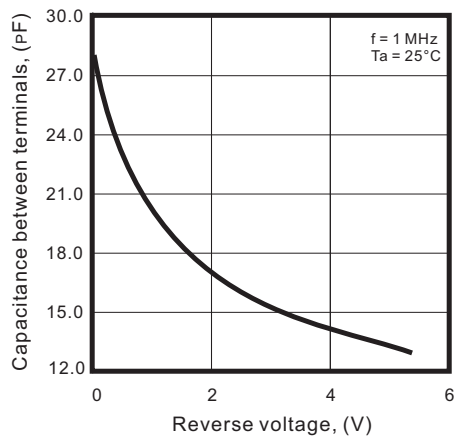
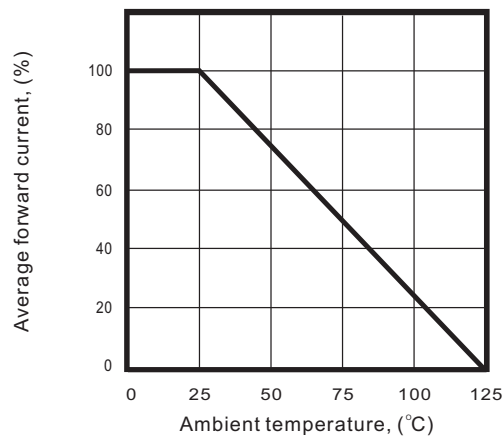
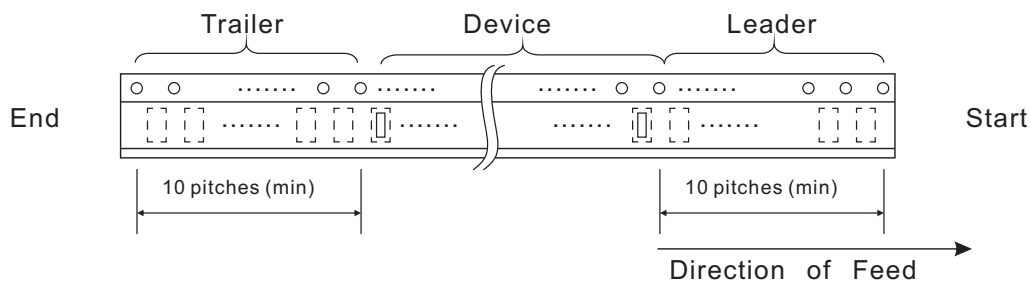
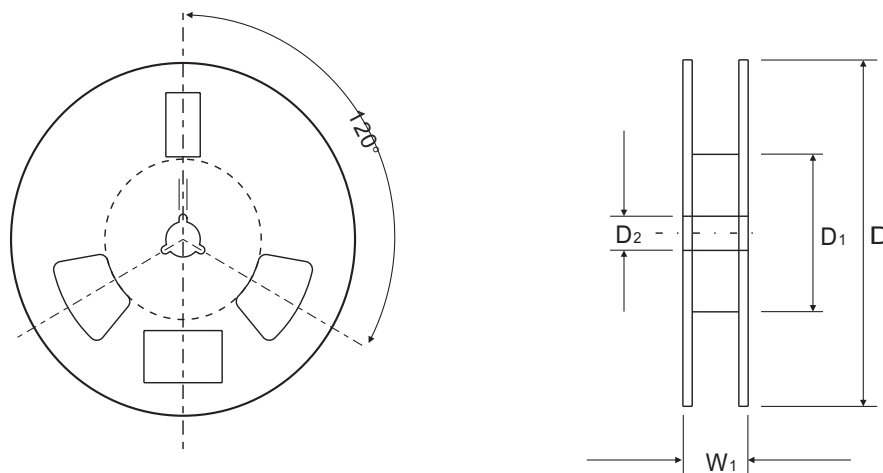
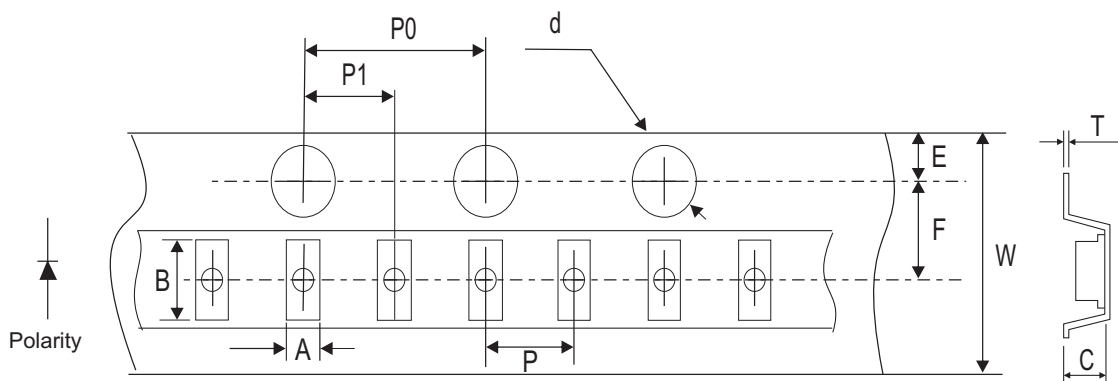


Fig.4 - Current derating curve



Reel Taping Specification



0201 (DFN0603)	SYMBOL	A	B	C	d	D	D ₁	D ₂
	(mm)	0.39+0.03/-0.02	0.72 ± 0.03	0.36 ± 0.03	1.50 + 0.10	178 ± 1.00	54.4 ± 0.40	13.0 ± 0.20
	(inch)	0.015+0.001/0.001	0.028 ± 0.001	0.014 ± 0.001	0.059 + 0.004	7.008 ± 0.039	2.142 ± 0.016	0.512 ± 0.008

0201 (DFN0603)	SYMBOL	E	F	P	P ₀	P ₁	T	W	W ₁
	(mm)	1.75 ± 0.10	3.50 ± 0.05	2.00 ± 0.05	4.00 ± 0.05	2.00 ± 0.05	0.23 ± 0.05	8.00 ± 0.10	12.30 ± 0.10
	(inch)	0.069 ± 0.004	0.138 ± 0.002	0.079 ± 0.004	0.157 ± 0.004	0.079 ± 0.004	0.009 ± 0.002	0.315 ± 0.008	0.484 ± 0.004

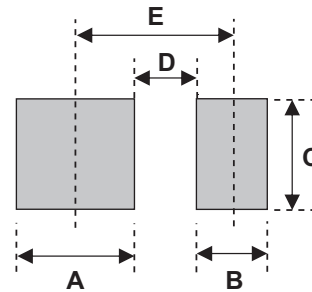
Marking Code

Part Number	Marking Code
CZRZ5V6B-HF	7



Suggested PAD Layout

SIZE	0201/DFN0603	
	(mm)	(inch)
A	0.310	0.122
B	0.200	0.079
C	0.350	0.014
D	0.150	0.006
E	0.365	0.014



Standard Packaging

Case Type	Qty Per Reel	Reel Size
	(Pcs)	(inch)
0201/DFN0603	8,000	7