

TOSHIBA

U5ZA27(Z), U5ZA27C

TOSHIBA ZENER DIODE SILICON DIFFUSED-JUNCTION TYPE

U5ZA27(Z), U5ZA27CBEST SUITED FOR OVERVOLTAGE PROTECTION OF ELECTRONIC
SYSTEM :

ELECTRONIC SYSTEM FOR USE IN AUTOMOBILES

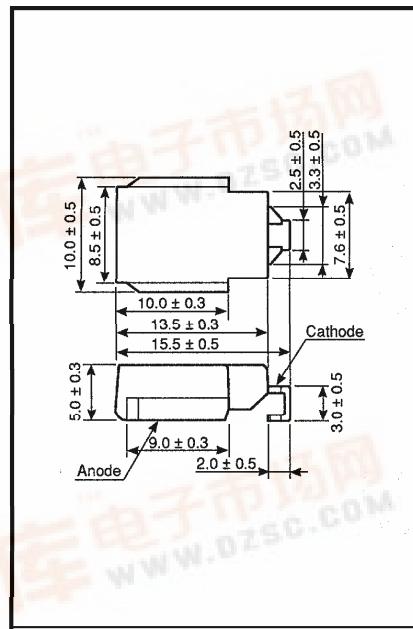
ELECTRONIC SYSTEM FOR COMMERCIAL USE

ELECTRONIC SYSTEM FOR INDUSTRIAL USE

FOR COMMUNICATIONS, CONTROLS, MEASURING INSTRUMENTS, ETC.

- High surge power withstanding capabilities that absorb load dump surge.
- Excellent surge responsibility for steep surge absorption.
- Surface mount type is available for easy applications. Axial lead type is also available.
- Corresponds to taping packages.

Unit in mm



JEDEC

EIAJ

TOSHIBA 3-11J2A

Weight : 2.5 g

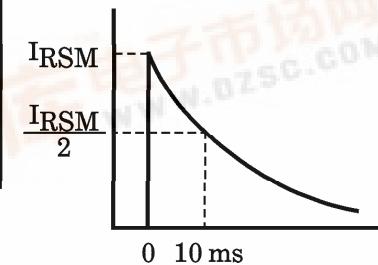


Fig.1

MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Allowable power dissipation (Note 1)	P	5	W
Non-repetitive peak reverse surge current (See Fig.1 for the exponents.)	I_{RSM}	62	A
Junction temperature	T_j	-40~150	$^\circ\text{C}$
Storage temperature	T_{stg}	-40~150	$^\circ\text{C}$

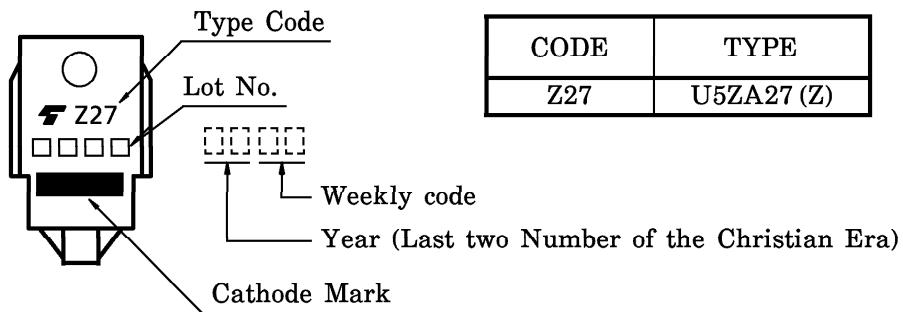
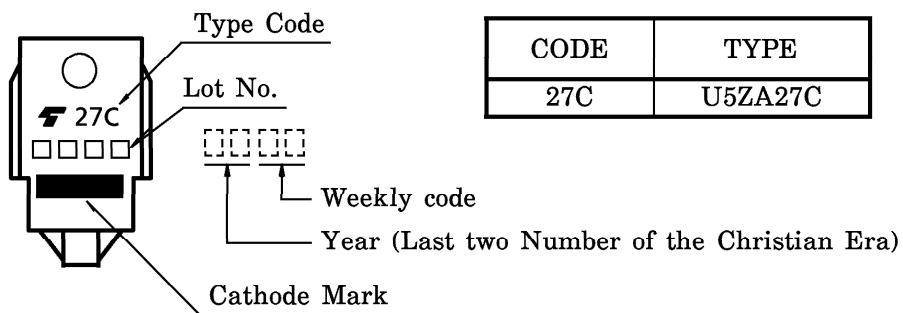
(Note 1) : Lead tip temperature $T_L = 25^\circ\text{C}$

ELECTRICAL CHARACTERISTICS

Type No.	Zener voltage V_Z [V] ($I_Z = 10 \text{ mA}$)			Operating resistance r_d [Ω] ($I_Z = 10 \text{ mA}$)		Temperature coefficient α_T [mV / $^\circ\text{C}$] ($I_Z = 10 \text{ mA}$)		Forward voltage V_F [V] ($I_F = 6 \text{ A}$)	Reverse current I_R [μA] ($V_R = 22 \text{ V}$)
	Min.	Typ.	Max.	Max.	Typ.	Max.	Max.	Max.	Max.
U5ZA27(Z) / C	24.0	27	30.0	30	23	36	1.2	10	

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MARKING**U5ZA27 (Z)****U5ZA27C****STANDARD SOLDERING PAD**

Unit : mm

