

TOSHIBA ZENER DIODE SILICON DIFFUSED-JUNCTION TYPE

U5ZA27(Z), U5ZA27C

BEST 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.

MAXIMUM RATINGS (Ta = 25°C)

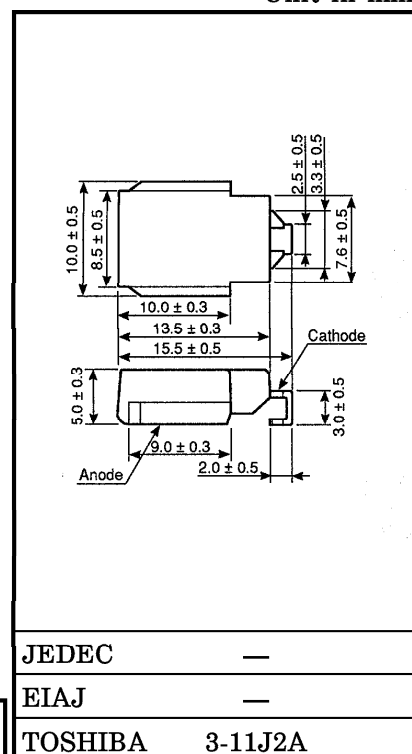
CHARACTERISTIC	SYMBOL	RATING	UNIT
Allowable power dissipation (Note 1)	P	5	W
Non-repetitive peak reverse surge current (See Fig.1 for the exponents.)	I _{RSM}	62	A
Junction temperature	T _j	-40~150	°C
Storage temperature	T _{stg}	-40~150	°C

(Note 1) : Lead tip temperature T_L = 25°C

ELECTRICAL CHARACTERISTICS

Type No.	Zener voltage V _Z [V] (I _Z = 10 mA)			Operating resistance r _d [Ω] (I _Z = 10 mA)	Temperature coefficient α _T [mV / °C] (I _Z = 10 mA)		Forward voltage V _F [V] (I _F = 6 A)	Reverse current I _R [μA] (V _R = 22 V)
	Min.	Typ.	Max.	Max.	Typ.	Max.	Max.	Max.
U5ZA27(Z) / C	24.0	27	30.0	30	23	36	1.2	10

Unit in mm



Weight : 2.5 g

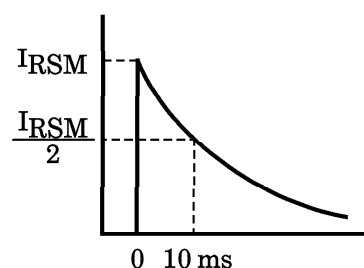


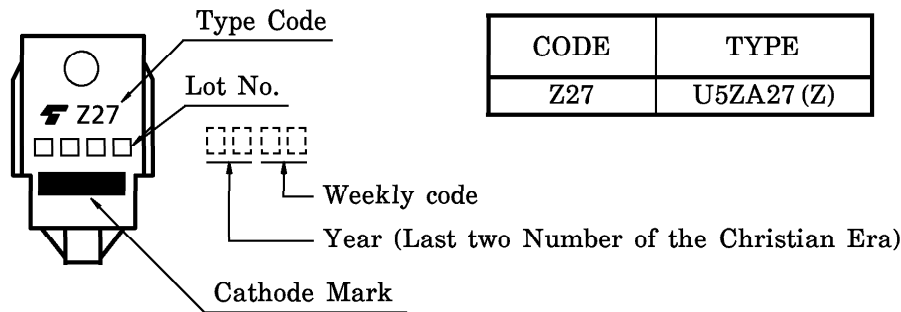
Fig.1

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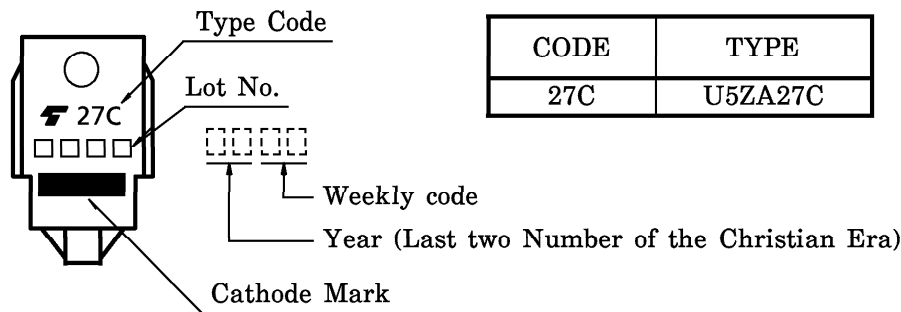
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MARKING

U5ZA27 (Z)



U5ZA27C



STANDARD SOLDERING PAD

Unit : mm

