TOSHIBA Zener Diode Silicon Epitaxial Type

U02Z300N

Unit: mm

Constant Voltage Regulation

- Suitable for compact assembly due to small surface-mount package
- Types of 10V zener voltage range are prepored as follows

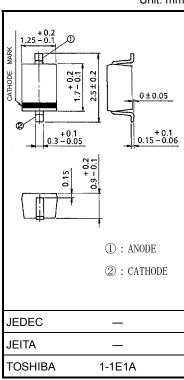
Maximum Ratings (Ta=25°C)

Characteristics	Symbol	Rating	Unit
Power dissipation	Р*	200 (Note)	mW
Junction temperature	Tj	150	°C
Storage temperature Range	T _{stg}	-55~150	°C

Note: Ta = 50°C

Device mounted on a glass-epoxy board

Board size: 20 mm \times 20 mm Soldering size: 4.0 mm \times 4.0 mm

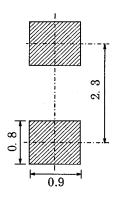


Weight: 0.004 g (Typ.)

Electrical Characteristics (Ta= 25°C)

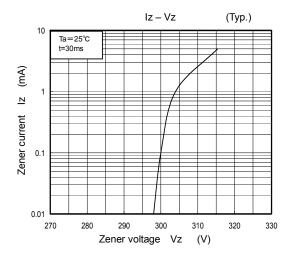
	Zener Characteristics					Temperature		Forward		Reverse	
Туре	Zener Voltage V _Z (V)		Zener Impedance $r_d (k\Omega)$	Measure- ment Current I _Z	Coefficient of Zener Voltage αT (mV/°C)		Voltage V _F (V)	Measure- ment Current (mA)	Current I _R (μA)	Measure- ment Voltage V _R	
	Min.	Тур.	Max.	Тур.	yp. (mA)	Тур	Max.	Max.	(IIIA)	Max.	(V)
U 0 2 Z 3 0 0 N	270	300	330	10	0.1	240	400	1.2	10	1	240
U 0 2 Z 3 0 0 N - L	270	280	290	10	0.1	220	360	1.2	10	1	240
U 0 2 Z 3 0 0 N - X	280	290	300	10	0.1	230	370	1.2	10	1	240
U 0 2 Z 3 0 0 N - Y	290	300	310	10	0.1	240	380	1.2	10	1	240
U 0 2 Z 3 0 0 N - Z	300	310	320	10	0.1	250	390	1.2	10	1	240
U 0 2 Z 3 0 0 N - H	310	320	330	10	0.1	260	400	1.2	10	1	240

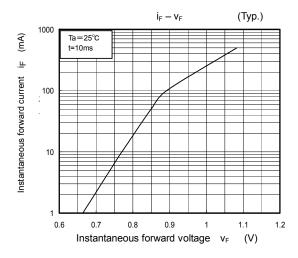
Standart Soldering Pad (Unit in mm)

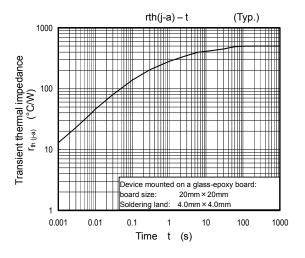


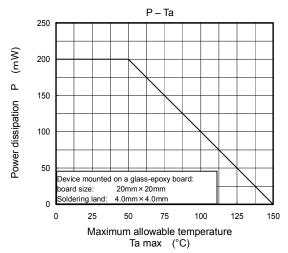
Marking

Symbol	Device Type		
CS	U02Z300N		
CL	U02Z300N-L		
CX	U02Z300N-X		
CY	U02Z300N-Y		
CZ	U02Z300N-Z		
CH	U02Z300N-H		









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