

TOSHIBA DIODE SILICON DIFFUSED JUNCTION TYPE ZENER DIODE

U02Z300

CONSTANT VOLTAGE REGULATION

Unit in mm

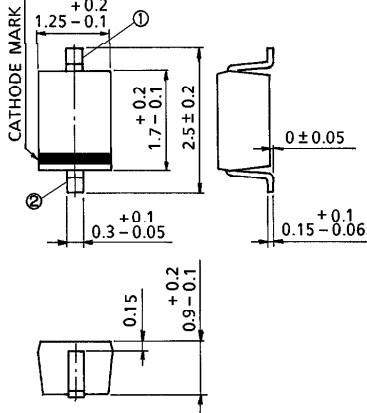
MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	P*	200	mW
Junction Temperature	T _j	125	°C
Storage Temperature Range	T _{stg}	-55~125	°C

* : On Glass Epoxy Substrate

(GLASS EPOXY SUBSTRATE : 20mm×20mm)

SOLDER LAND : 4mm×4mm)

	
JEDEC	—
EIAJ	—
TOSHIBA	1-1E1A

Weight : 0.004g

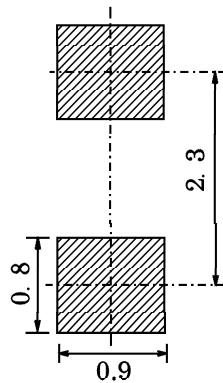
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Type	Zener Characteristics					Temperature Coefficient of Zener Voltage αT (mV/°C)		Forward Voltage V _F (V)		Reverse Current I _R (μA)	
	Zener Voltage V _Z (V)			Zener Impedance r _d (kΩ)	Measurement Current I _Z (mA)	TYP.	MAX.	MAX.	Measurement Current I _F (mA)	MAX.	Measurement Voltage V _R (V)
	MIN.	TYP.	MAX.								
U02Z300	270	300	330	10	0.1	240	400	1.2	10	1	240
U02Z300-X	280	290	300	10	0.1	230	370	1.2	10	1	240
U02Z300-Y	290	300	310	10	0.1	240	380	1.2	10	1	240
U02Z300-Z	300	310	320	10	0.1	250	390	1.2	10	1	240

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STANDARD SOLDERING PAD (Unit in mm)



MARKING

SYMBOL	DEVICE TYPE
LS	U02Z300
LX	U02Z300-X
LY	U02Z300-Y
LZ	U02Z300-Z

