

TOSHIBA DIODE SILICON DIFFUSED JUNCTION TYPE ZENER DIODE

# U02Z300

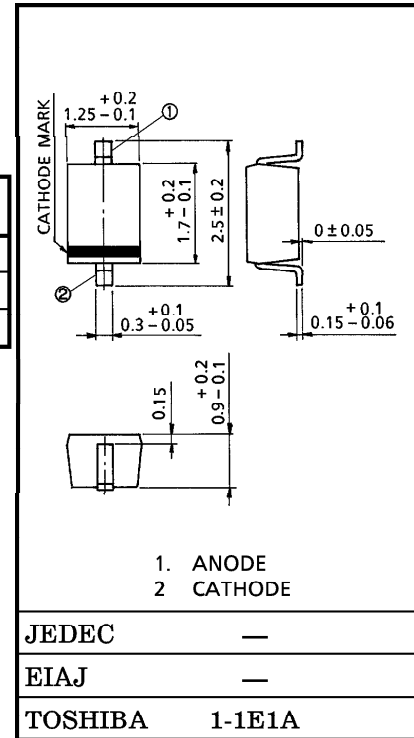
CONSTANT VOLTAGE REGULATION

Unit in mm

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	P*	200	mW
Junction Temperature	T <sub>j</sub>	125	°C
Storage Temperature Range	T <sub>stg</sub>	-55~125	°C

\* : On Glass Epoxy Substrate  
 (GLASS EPOXY SUBSTRATE : 20mm×20mm  
 SOLDER LAND : 4mm×4mm)



Weight : 0.004g

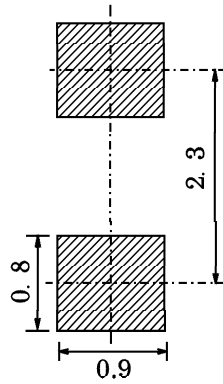
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

Type	Zener Characteristics					Temperature Coefficient of Zener Voltage αT (mV/°C)		Forward Voltage		Reverse Current	
	Zener Voltage V <sub>Z</sub> (V)			Zener Impedance r <sub>d</sub> (kΩ)	Measurement Current I <sub>Z</sub> (mA)	TYP.	MAX.	V <sub>F</sub> (V)	Measurement Current I <sub>F</sub> (mA)	I <sub>R</sub> (μA)	Measurement Voltage V <sub>R</sub> (V)
	MIN.	TYP.	MAX.	TYP.	MAX.			MAX.	MAX.	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

