

TOSHIBA DIODES FOR PROTECTING AGAINST ESD EPITAXIAL PLANAR TYPE

DF3A6.8FU

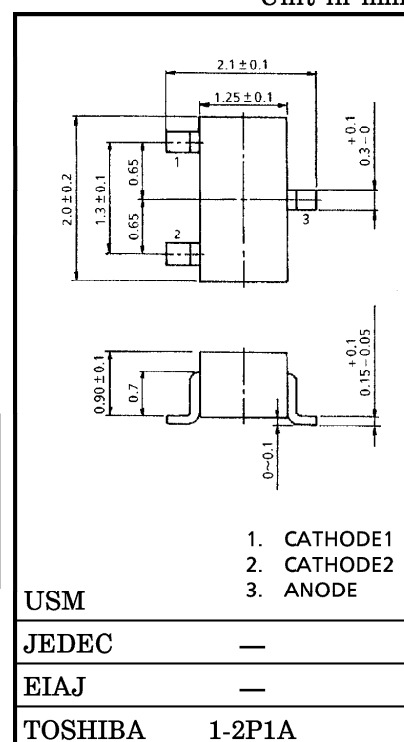
DIODES FOR PROTECTING AGAINST ESD

Unit in mm

- Because two devices are mounted on an ultra compact package, it is possible to allow reducing the number of the parts and the mounting cost.
- Zener Voltages correspond to E24 Series.

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

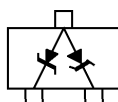
CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	P	100	mW
Junction Temperature	T_j	125	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-55\sim 125$	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Zener Voltage	V_Z	$I_Z = 5\text{ mA}$	6.4	6.8	7.2	V
Dynamic Impedance	Z_Z	$I_Z = 5\text{ mA}$	—	10	—	Ω
Knee Dynamic Impedance	Z_{ZK}	$I_Z = 0.5\text{ mA}$	—	30	—	Ω
Reverse Current	I_R	$V_R = 5\text{ V}$	—	—	0.5	μA

MARKING

EQUIVALENT CIRCUIT (TOP VIEW)



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