

TOSHIBA DIODES FOR PROTECTING AGAINST ESD EPITAXIAL PLANAR TYPE

# DF3A6.8FE

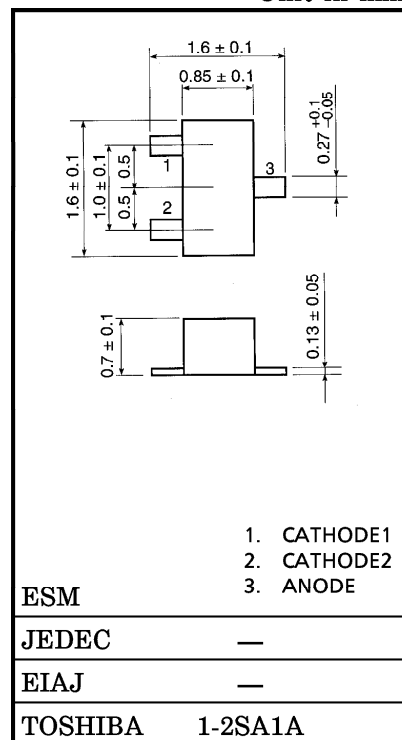
DIODES FOR PROTECTING AGAINST ESD

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 Voltage correspond to E24 Series.

MAXIMUM RATINGS (Ta = 25°C)

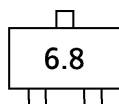
CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	P	100	mW
Junction Temperature	T <sub>j</sub>	125	°C
Storage Temperature Range	T <sub>stg</sub>	-55~125	°C



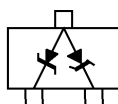
ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Zener Voltage	V <sub>Z</sub>	I <sub>Z</sub> = 5 mA	6.4	6.8	7.2	V
Dynamic Impedance	Z <sub>Z</sub>	I <sub>Z</sub> = 5 mA	—	10	—	Ω
Knee Dynamic Impedance	Z <sub>ZK</sub>	I <sub>Z</sub> = 0.5 mA	—	30	—	Ω
Reverse Current	I <sub>R</sub>	V <sub>R</sub> = 5 V	—	—	0.5	μA

MARKING



EQUIVALENT CIRCUIT (TOP VIEW)



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