

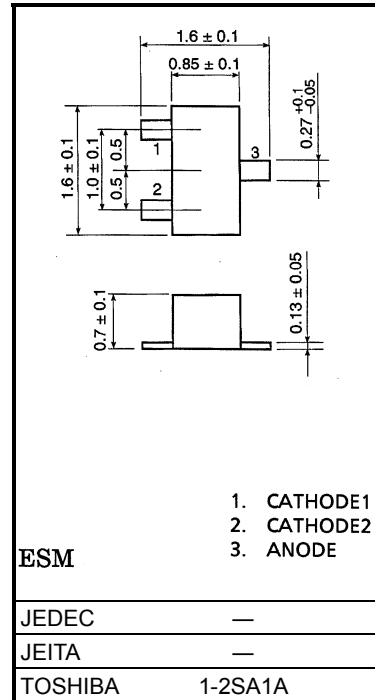
TOSHIBA Diodes for Protecting against ESD Epitaxial Planar Type

# DF3A8.2FE

Diodes for Protecting against ESD

- The mounting of two devices on an ultra-compact package allows the number of parts and the mounting cost to be reduced.
- The zener voltage corresponds to the E24 Series.

Unit: mm



### Maximum Ratings (Ta = 25°C)

Characteristics	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)

Weight: 0.0023 g (typ.)

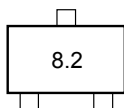
Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Zener voltage	V <sub>Z</sub>	I <sub>Z</sub> = 5 mA	7.7	8.2	8.7	V
Dynamic impedance	Z <sub>Z</sub>	I <sub>Z</sub> = 5 mA	—	—	20	Ω
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 5 V	—	—	0.5	μA
Terminal capacitance (between Cathode and Anode)	C <sub>T</sub>	V <sub>R</sub> = 0 V, f = 1 MHz	—	38	—	pF

### Guaranteed Level of ESD Immunity

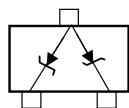
Test Condition	ESD Immunity Level
IEC61000-4-2 (Contact discharge)	± 30 kV

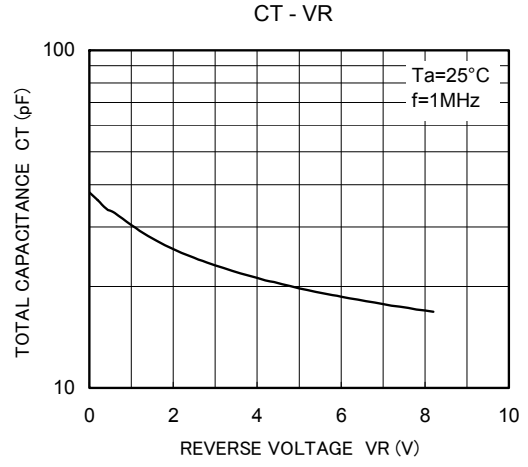
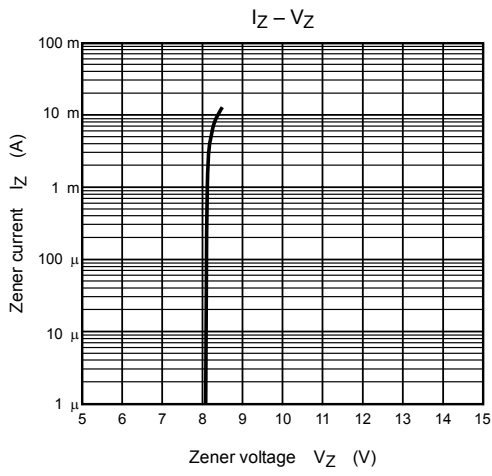
Criterion: No damage to device elements

### Marking



### Equivalent Circuit (top view)





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