

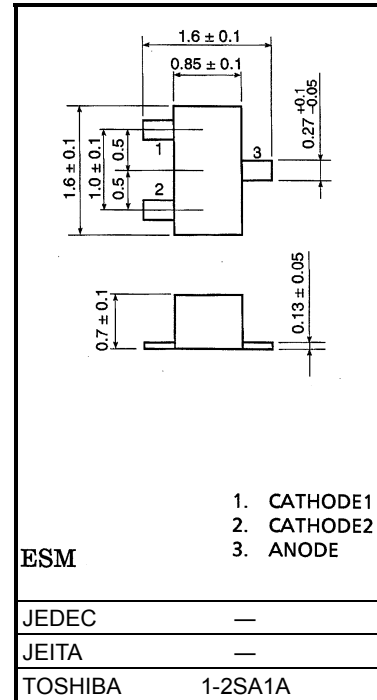
TOSHIBA Diodes for Protecting against ESD Epitaxial Planar Type

DF3A8.2FE

Diodes for Protecting against ESD

Unit: mm

- 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.



Maximum Ratings (Ta = 25°C)

Characteristics	Symbol	Rating	Unit
Power dissipation	P	100	mW
Junction temperature	T _j	125	°C
Storage temperature range	T _{stg}	-55~125	°C

Electrical Characteristics (Ta = 25°C)

Weight: 0.0023 g (typ.)

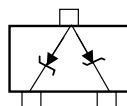
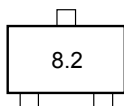
Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Zener voltage	V _Z	I _Z = 5 mA	7.7	8.2	8.7	V
Dynamic impedance	Z _Z	I _Z = 5 mA	—	—	20	Ω
Reverse current	I _R	V _R = 5 V	—	—	0.5	μA
Terminal capacitance (between Cathode and Anode)	C _T	V _R = 0 V, f = 1 MHz	—	38	—	pF

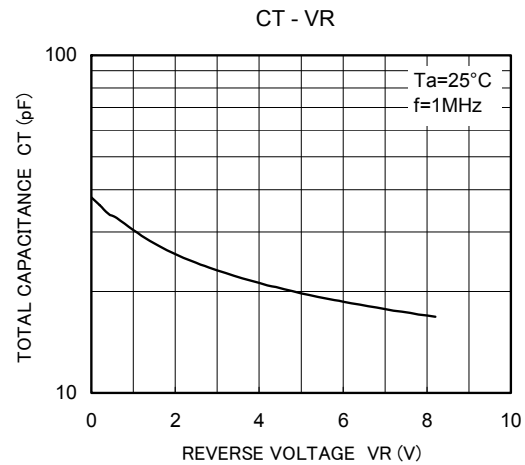
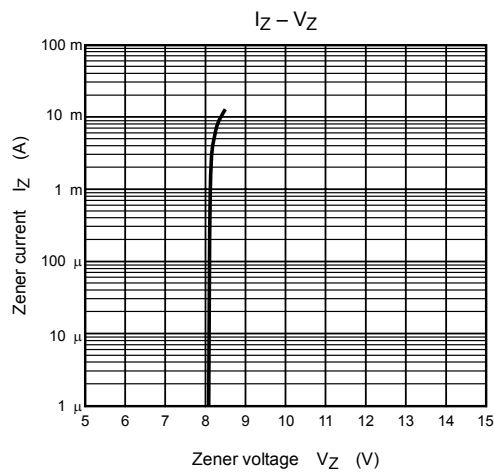
Guaranteed Level of ESD Immunity

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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