TOSHIBA Diodes for Protecting against ESD Epitaxial Planar Type

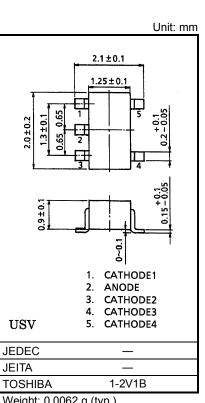
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Diodes for Protecting against ESD

- 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.

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Power dissipation	Р	200	mW
Junction temperature	Тј	125	°C
Storage temperature range	T _{stg}	-55~125	°C



Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Condition	Min	Тур.	Max	Unit
Zener voltage	VZ	I _Z = 5 mA	6.4	6.8	7.2	V
Dynamic impedance	ZZ	I _Z = 5 mA	—	10	25	Ω
Knee dynamic impedance	Z _{ZK}	I _Z = 0.5 mA	_	30	_	Ω
Reverse current	I _R	V _R = 5 V	_	_	0.5	μA
Terminal capacitance (between Cathode and Anode)	CT	V _R = 0, f = 1 MHz	—	45	_	pF

Guaranteed Level of ESD Immunity

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

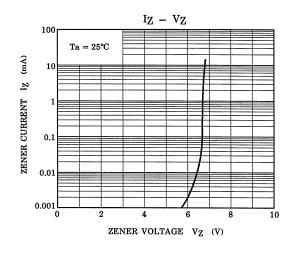
Criterion: No damage to device elements

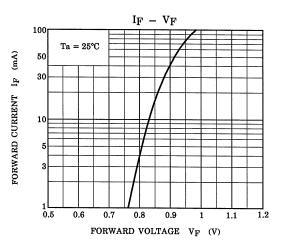
Marking Equivalent Circuit (Top View)

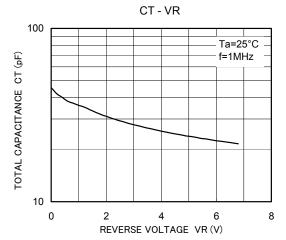




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