TOSHIBA Diodes for Protecting Against ESD Epitaxial Planar Type

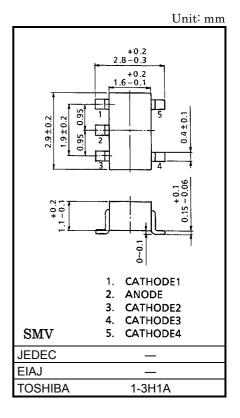
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Diodes for Protecting Against ESD

- Because four 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	Р	200	mW
Junction temperature	Tj	125	°C
Storage temperature range	T _{stg}	-55~125	°C



Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Zener voltage	VZ	_	$I_Z = 5mA$	7.7	8.2	8.7	V
Dynamic impedance	Z _Z	_	$I_Z = 5mA$	_	15	_	Ω
Knee dynamic impedance	Z _{ZK}	_	I _Z = 0.5mA	_	20	_	Ω
Reverse current	I _R	_	V _R = 6.5V	_	_	0.5	μA

Guaranteed Level of ESD Immunity

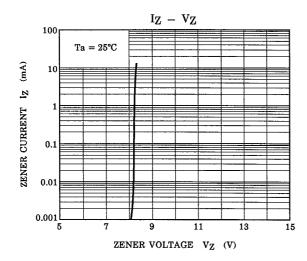
Test Condition	ESD Immunity Level		
IEC61000-4-2	±25kV		
(contact discharge)			

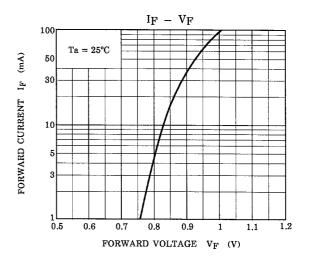
Marking



Equivalent Circuit (Top View)







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