TOSHIBA Diodes for Protecting against ESD Epitaxial Planar Type

DF5A6.8CJE

Diodes for Protecting against ESD

Unit: mm

- The mounting of four 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.
- Low Terminal capacitance (between Cathode and Anode)
 : C_T =23pF (typ.)

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Power dissipation	Р	100	mW
Junction temperature	Tj	150	°C
Storage temperature range	T _{stg}	-55~150	°C

1.CATHODE 1 2. ANODE 3. CATHODE3 4.CATHODE4 ESV JEDEC JEITA TOSHIBA 1.6±0.05 1.2±0.05 5 9000+891

Weight: 0.003 g (typ.)

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	Z _Z	I _Z = 5 mA	_	_	25	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	l	23	_	pF

Guaranteed Level of ESD Immunity

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

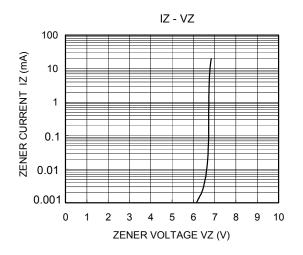
Criterion: No damage to device elements

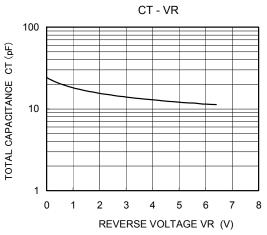
Marking

Equivalent Circuit (Top View)









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