Unit in mm

TOSHIBA Diodes for Protecting Against ESD Epitaxial Planar Type

DF8A6.8FK

Diodes for Protecting Against ESD

- Because seven 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.

2.3±0.1 1. CATHODE1 2. CATHODE2 3. CATHODE3 4. CATHODE4 US8 JEDEC JEITA TOSHIBA 2.3±0.1 0~0.1 5 00 1. CATHODE5 6. CATHODE5 8. ANODE

Weight: 0.0088 g(typ.)

3.1±0.1

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Power dissipation	Р	200	mW
Junction temperature	Tj	150	°C
Storage temperature range	T _{stg}	-55~150	°C

Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Zener voltage	VZ	_	$I_Z = 5mA$	6.4	6.8	7.2	V
Dynamic impedance	Z _Z	_	I _Z = 5mA	_	_	25	Ω
Reverse current	I _R	_	V _R = 5V	_	_	0.5	μΑ
Total capacitance	Ст	_	V _R = 0V, f=1MHz	_	45	_	pF

Guaranteed Level of ESD Immunity

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

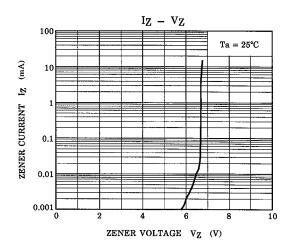
Judgment contents: No element destruction

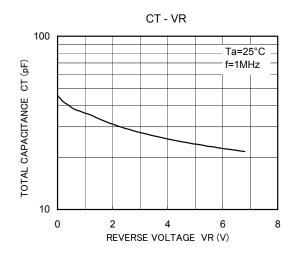
Marking

Equivalent Circuit (Top View)









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