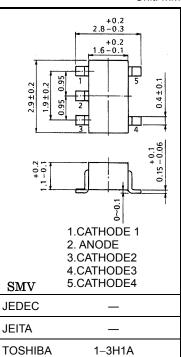
TOSHIBA Diodes for Protecting against ESD Epitaxial Planar Type

# DF5A3.6F

#### Diodes for Protecting against ESD

• 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.



#### Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Power dissipation	Р	200	mW
Junction temperature	Тј	125	°C
Storage temperature range	T <sub>stg</sub>	-55~125	°C

## Electrical Characteristics (Ta = 25°C)

Weight: 0.014 g (typ.)

Characteristic	Symbol	Test Condition	Min	Тур.	Max	Unit
Zener voltage	VZ	I <sub>Z</sub> = 5 mA	3.4	3.6	3.8	V
Dynamic impedance	ZZ	I <sub>Z</sub> = 5 mA	_	_	130	Ω
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 1 V	_	_	10	μA
Terminal capacitance (between Cathode and Anode)	CT	V <sub>R</sub> = 0 V, f = 1 MHz	_	110	_	pF

### **Guaranteed Level of ESD Immunity**

Test Condition	ESD Immunity Level	
IEC61000-4-2 (Contact discharge)	$\pm$ 30 kV	

Criterion: No damage to device elements

### Marking

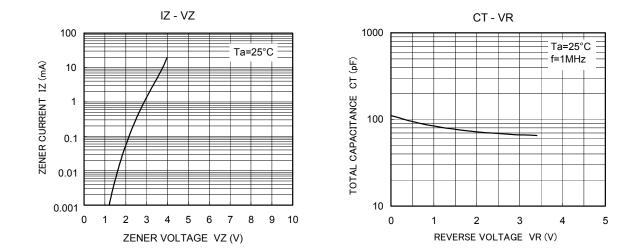
Equivalent Circuit (Top View)





Unit: mm

# TOSHIBA



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