Unit in mm

TOSHIBA Diodes for Protecting Against ESD Epitaxial Planar Type

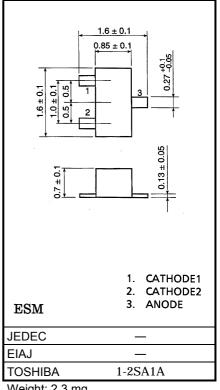
# DF3A6.8FE

### Diodes for Protecting Against ESD

- Because two devices are mounted on an ultra compact package, it is possible to allow reducing the number of the parts and the mounting
- Zener voltage correspond to E24 series.

# **Maximum Ratings (Ta = 25°C)**

Characteristic	Symbol	Rating	Unit
Power dissipation	Р	100	mW
Junction temperature	Tj	125	°C
Storage temperature range	T <sub>stg</sub>	-55~125	°C



Weight: 2.3 mg

# 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 <sub>Z</sub>	_	I <sub>Z</sub> = 5mA	_	10	_	Ω
Knee dynamic impedance	Z <sub>ZK</sub>	_	I <sub>Z</sub> = 0.5mA	_	30	_	Ω
Reverse current	I <sub>R</sub>	_	V <sub>R</sub> = 5V	_	_	0.5	μA

### **Guaranteed Level of Esd Immunity**

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

#### Marking

## **Equivalent Circuit (Top View)**



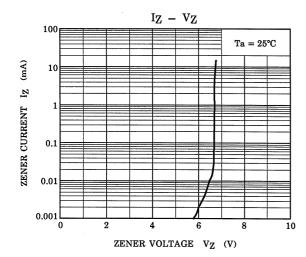


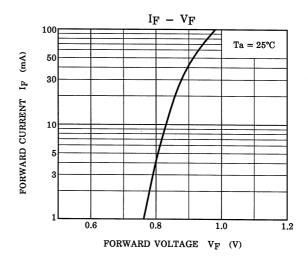
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