**TOSHIBA** DF3A6.8FE

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 cost.
- Zener Voltage correspond to E24 Series.

#### MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Power Dissipation	P	100	mW
Junction Temperature	Tj	125	°C
Storage Temperature Range	$\mathrm{T_{stg}}$	-55~125	°C

 $1.6 \pm 0.1$  $0.85 \pm 0.1$  $13 \pm 0.05$ 1. CATHODE1 2. CATHODE2 ANODE **ESM JEDEC EIAJ** 

1-2SA1A

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Unit in mm

### ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Zener Voltage	$V_{\mathbf{Z}}$	$I_{ m Z}=5~{ m mA}$	6.4	6.8	7.2	V
Dynamic Impedance	${ m z_Z}$	$I_{ m Z}=5~{ m mA}$	_	10	_	Ω
Knee Dynamic Impedance	$z_{ZK}$	$I_{ m Z}=0.5{ m mA}$	_	30	_	Ω
Reverse Current	$I_{\mathbf{R}}$	$V_R = 5 V$	_	_	0.5	$\mu$ A

## MARKING

# **EQUIVALENT CIRCUIT (TOP VIEW)**





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