Unit: mm

TOSHIBA Diodes for Protecting against ESD

DF2B6.8E

Product for Use Only as Protection against Electrostatic Discharge (ESD)

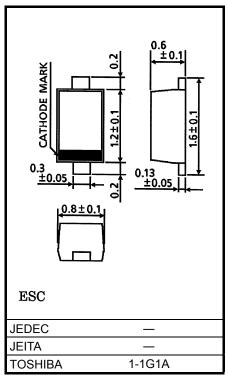
*This product is for protection against electrostatic discharge (ESD) only and is not intended for any other usage, including without limitation, the constant voltage diode application.

Abusolute Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit	
Power dissipation	Р	150*	mW	
Junction temperature	Tj	150	°C	
Storage temperature range	T _{stg}	−55 to 150	°C	

^{*:} Mounted on a glass epoxy circuit board of 20 mm × 20 mm, pad dimension of 4 mm × 4 mm.

Note: Using continuously under heavy loads (e.g. the application of high temperature/current/voltage and the significant change in temperature, etc.) may cause this product to decrease in the reliability significantly even if the operating conditions (i.e. operating temperature/current/voltage, etc.) are within the absolute maximum ratings.



Weight: 1.4 mg (typ.)

Please design the appropriate reliability upon reviewing the Toshiba Semiconductor Reliability Handbook ("Handling Precautions"/ "Derating Concept and Methods") and individual reliability data (i.e. reliability test report and estimated failure rate, etc).

Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Condition	Min	Тур.	Max	Unit
Reverse stand-off voltage	V_{RWM}	_	_	_	5.0	V
Reverse breakdown voltage	V _R	I _R = 1 mA	5.8	6.8	7.8	V
Reverse current	I_{R}	V _{RWM} = 5 V	_	_	0.5	μΑ
Total capacitance	C _T	V _R = 0 V, f = 1 MHz	_	15	-	pF

Marking

Equivalent Circuit (Top View)





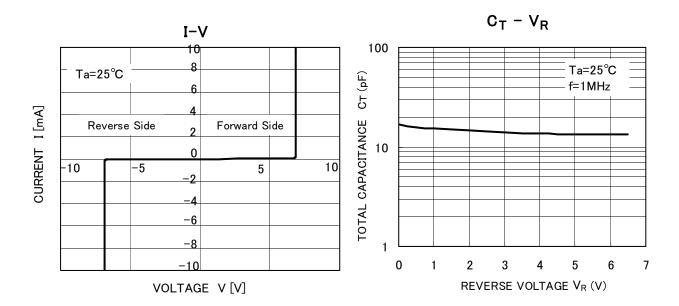
Start of commercial production 2010-02

Guaranteed Level of ESD Immunity

Test Condition	ESD Immunity Level
IEC61000-4-2 (Contact discharge)	±8 kV

Criterion: No damage to device elements

2 2014-03-01



3 2014-03-01

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С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
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- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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