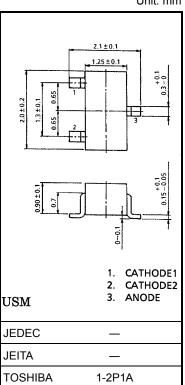
TOSHIBA Diodes for Protecting against ESD Epitaxial Planar Type

DF3A5.6FU

Diodes for Protecting against ESD

- The mounting of two 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)

Characteristics	Symbol	Rating	Unit
Power dissipation	Р	100	mW
Junction temperature	Тј	125	°C
Storage temperature range	T _{stg}	-55~125	°C

Weight: 0.006 g (typ.)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Zener voltage	VZ	$I_Z = 5 \text{ mA}$	5.3	5.6	6.0	V
Dynamic impedance	ZZ	$I_Z = 5 \text{ mA}$	_	_	40	Ω
Reverse current	I _R	V _R = 2.5 V	_	_	1.0	μA
Terminal capacitance (between Cathode and Anode)	CT	V _R = 0, f = 1 MHz	_	65	_	pF

Guaranteed Level of ESD Immunity

Electrical Characteristics (Ta = 25°C)

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

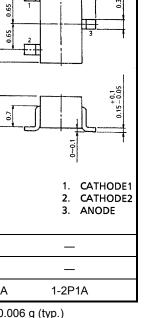
Criterion: No damage to device elements

Marking

Equivalent Circuit (top view)

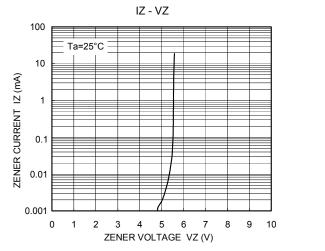


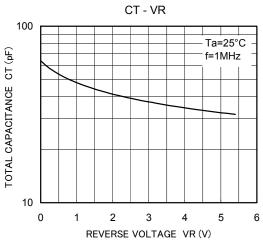




Unit: mm

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