TOSHIBA Diodes for Protecting against ESD Epitaxial Planar Type

DF2S6.2FS

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.
- Zener voltage corresponds to E24 series.

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Power dissipation	P*	150*	mW
Junction temperature	Tj	150	°C
Storage temperature range	T _{stg}	-55~150	°C

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

Weight: 0.0006mg(Typ.)

Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Zener voltage	V_Z	_	I _Z = 5mA	5.8	6.2	6.6	V
Dynamic impedance	Z _Z	_	I _Z = 5mA	_	_	30	Ω
Reverse current	I _R	_	V _R =5V	_	_	2.5	μA
Total capacitance	Ст	_	V _R = 0V, f=1MHz	_	32	_	pF

Guaranteed Level of ESD Immunity

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

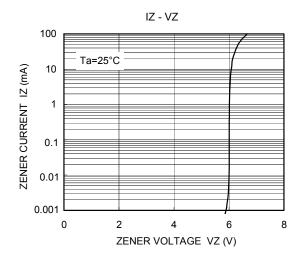
Criterion: No damage to device elements

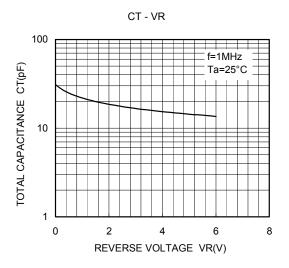
Marking

Equivalent Circuit (Top View)









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