

DF5A6.8LFU

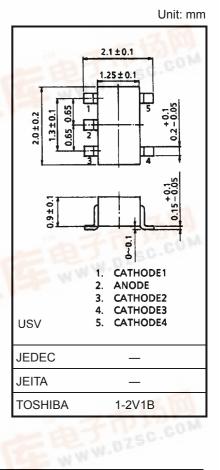
TOSHIBA Diodes For Protecting Against ESD Epitaxial Planar Type

DF5A6.8LFU

Diodes for Protecting Against ESD

- Because four 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.
- Low total capacitance: CT = 6.0 pF (typ.)

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Maximum Ratings (Ta = 25°C)								
Characteristics	Symbol	Rating	Unit					
Power dissipation	Р	200	mW					
Junction temperature	Tj	125	°C					
Storage temperature range	T _{stg}	-55 to 125	°C					



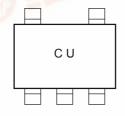
Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Zener voltage	VZ	$I_Z = 5 \text{ mA}$	6.5	6.8	7.1	V
Dynamic impedance	Z_Z	$I_Z = 5 \text{ mA}$	_	_	50	Ω
Knee dynamic impedance	Z _{ZK}	$I_Z = 0.5 \text{ mA}$	_	_	100	Ω
Reverse current	I _R	V _R = 5 V	_	_	0.5	μΑ
Total capacitance	C _T	$V_R = 0 V, f = 1 MHz$	107	6.0	6-37	pF

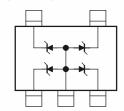
Guaranteed Level of ESD Immunity

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

Marking

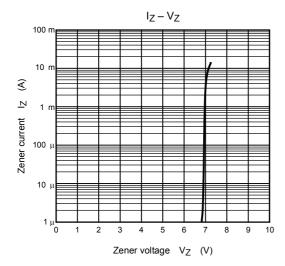


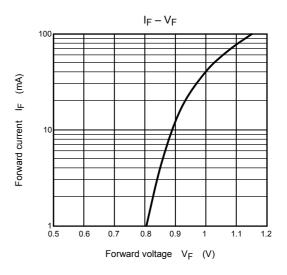
Equivalent Circuit (top view)

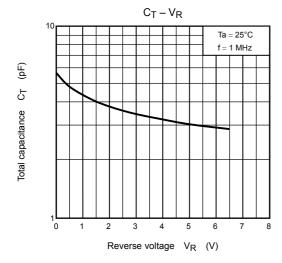




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