

DF2S5.6S

Diodes for Protecting against ESD

- Housed in an ultra-compact package, this device enables reduction in the number of parts and mounting cost.
- Zener voltage corresponds to the E24 series.

Maximum Ratings (Ta = 25°C)

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

*: Mounted on a glass-epoxy circuit board of 20 × 20 mm, pad dimensions of 4 × 4 mm.

Electrical Characteristics (Ta = 25°C)

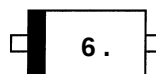
Characteristic	Symbol	Test Condition	Min	Typ.	Max	Unit
Zener voltage	V _Z	I _Z = 5 mA	5.3	5.6	6.0	V
Dynamic impedance	Z _Z	I _Z = 5 mA	—	—	30	Ω
Reverse current	I _R	V _R = 3.5 V	—	—	1	μA
Total capacitance	C _T	V _R = 0 V, f = 1 MHz	—	40	—	pF

Guaranteed Level of ESD Immunity

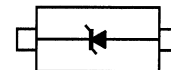
Test Condition	ESD Immunity Level
IEC61000-4-2 (contact discharge)	±30 kV

Criterion: No damage to device elements

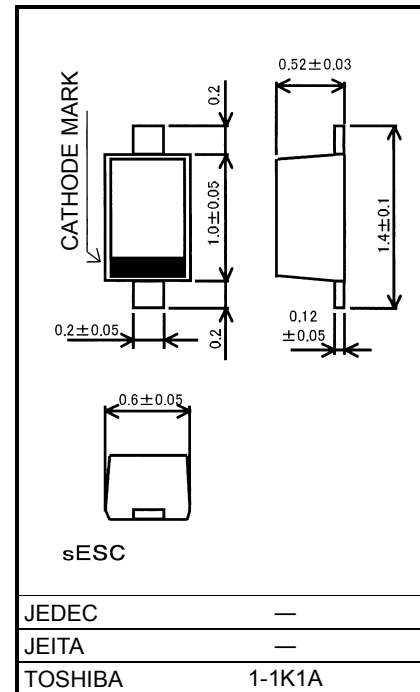
Marking



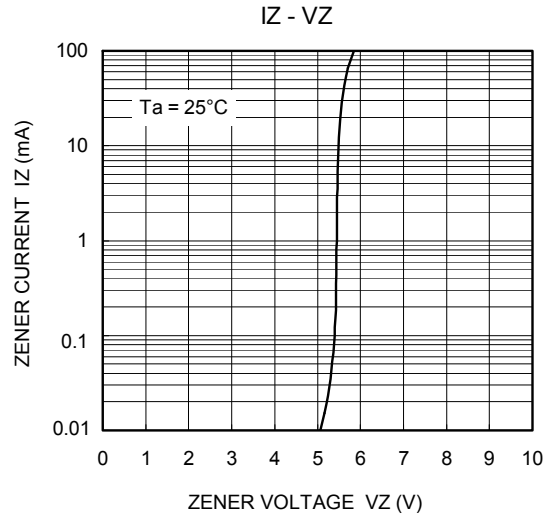
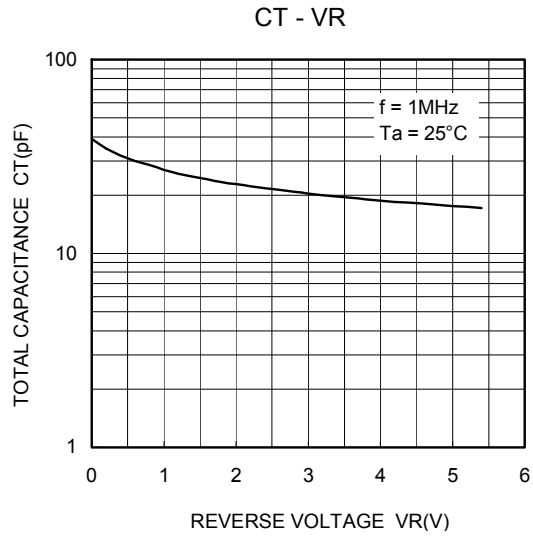
Equivalent Circuit (Top View)



Unit: mm



Weight: 0.0001 g (typ.)



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