

DA5S101K

Silicon epitaxial planar type

For high speed switching circuits
DA4J101K in SSMini5 type package

■ Features

- Small reverse current I_R
- Short reverse recovery time t_{rr}
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

■ Basic Part Number

Dual DA2J101 (Parallel)

■ Packaging

DA5S101K0R Embossed type (Thermo-compression sealing): 8000 pcs / reel (standard)

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	80	V
Maximum peak reverse voltage	V_{RM}	80	V
Forward current	Single	100	mA
	Double	75	mA
Peak forward current	Single	225	mA
	Double	170	mA
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

■ Package

• Code

SSMini5-F4-B

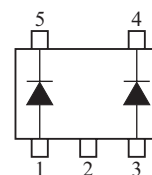
Package dimension clicks here.→

• Pin Name

- 1: Anode-1
- 2: N.C.
- 3: Anode-2
- 4: Cathode-2
- 5: Cathode-1

■ Marking Symbol: 21

■ Internal Connection



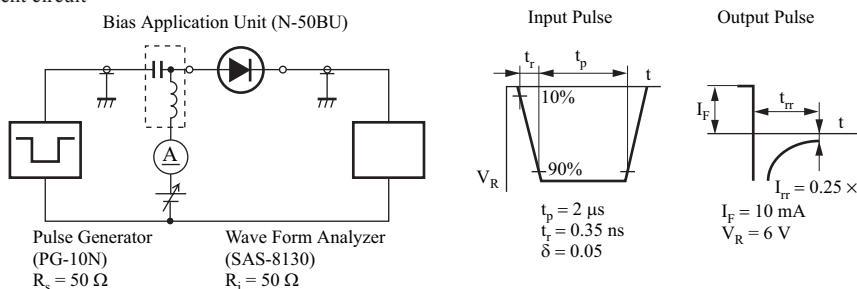
■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

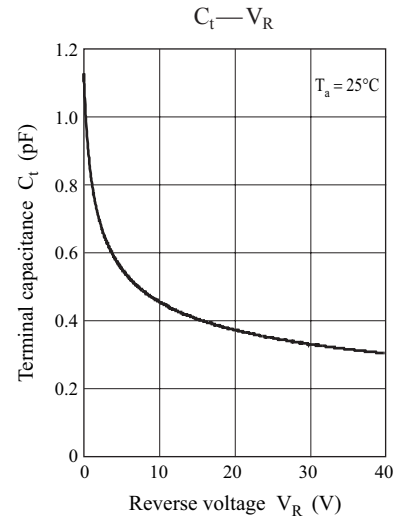
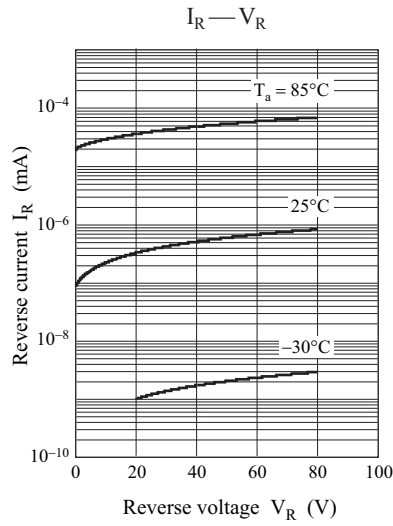
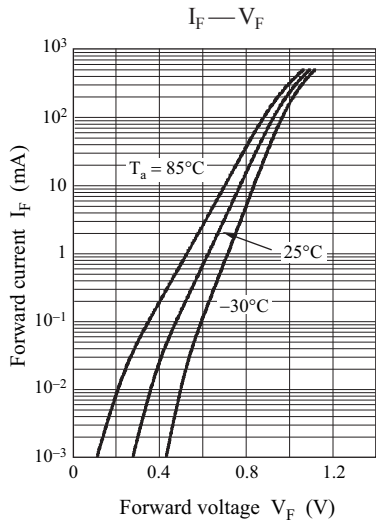
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 100 \text{ mA}$		0.95	1.2	V
Reverse voltage	V_R	$I_R = 100 \mu\text{A}$	80			V
Reverse current	I_R	$V_R = 75 \text{ V}$			100	nA
Terminal capacitance	C_t	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$			1.2	pF
Reverse recovery time *	t_{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, I_{tr} = 0.25 \times I_R$			3	ns

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. Absolute frequency of input and output is 100 MHz

3. *: t_{rr} measurement circuit





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