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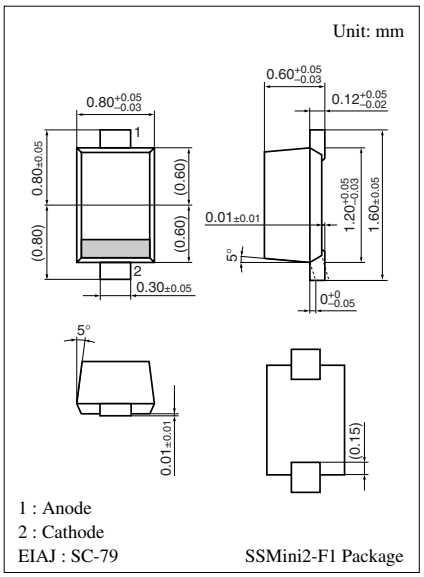
MA2SD25

Silicon epitaxial planar type

For super high speed switching



Marking Symbol: 6L

■ Features

- $I_{F(AV)}$ = 200 mA rectification is possible
- SS-Mini type 2-pin package

■ Absolute Maximum Ratings $T_a = 25°C$

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	15	V
Repetitive peak reverse-voltage	V_{RRM}	15	V
Peak forward current	I_{FM}	300	mA
Average forward current	$I_{F(AV)}$	200	mA
Non-repetitive peak forward-surge-current *	I_{FSM}	1	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	−55 to +125	°C

Note) ∗: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

■ Electrical Characteristics $T_a = 25°C \pm 3°C$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	V_R = 6 V			50	μA
Forward voltage (DC)	V_F	I_F = 200 mA			0.39	V
Terminal capacitance	C_t	V_R = 1 V, f = 1 MHz		20		pF
Reverse recovery time *	t_{rr}	$I_F = I_R$ = 100 mA I_{rr} = 10 mA, R_L = 100 Ω		3		ns

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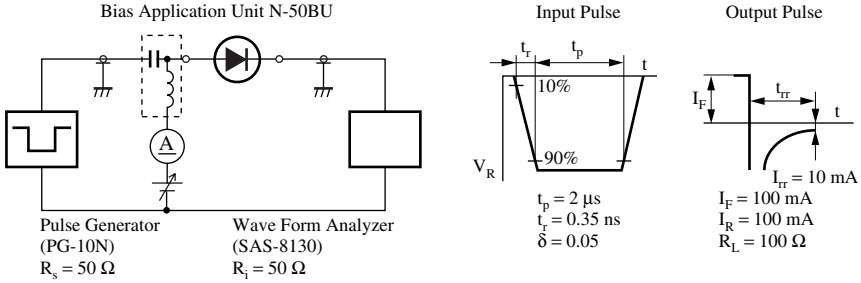
Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

2. Rated input/output frequency: 250 MHz

3. ∗: t_{rr} measuring instrument



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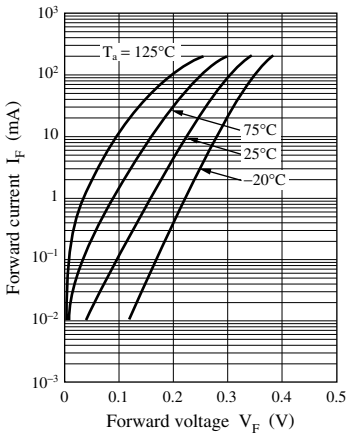
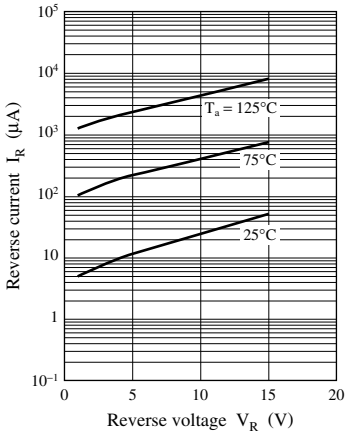
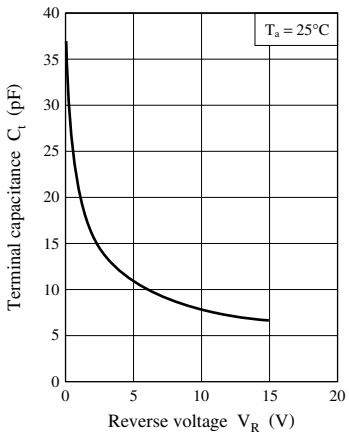
I_F — V_F



I_R — V_R



C_t — V_R



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