WMA4ZD03

Silicon epitaxial planar type

For high speed switching For small type power supply For DC/DC converter

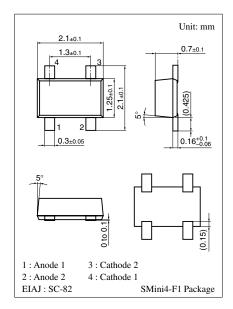
■ Features

- Two isolated elements are contained in one package, allowing high-density mounting
- $I_F = 100$ mA rectification is possible
- Optimum for high frequency rectification because of its short reverse recovery time (t_{rr})
- S-Mini type 4-pin package

■ Absolute Maximum Ratings $T_a = 25$ °C

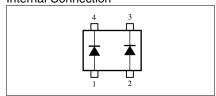
Parameter		Symbol	Rating	Unit
Forward current (DC)	Single	I_F	100	mA
	Double		75	
Peak forward	Single	I_{FM}	300	mA
current	Double		225	
Non-repetitive peak	Single	I_{FSM}	1	A
forward-surge-current *	Double		0.75	
Reverse voltage (DC)		V_R	45	V
Repetitive peak reverse-voltage		V_{RRM}	45	V
Junction temperature		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)



Marking Symbol: M5A

Internal Connection

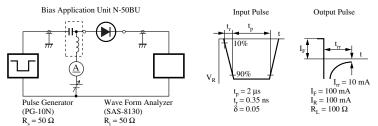


■ Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

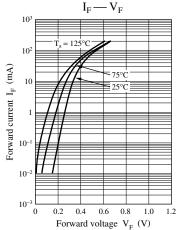
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 40 \text{ V}$			5	μΑ
Forward voltage (DC)	V _F	$I_F = 100 \text{ mA}$		0.54	0.60	V
Terminal capacitance	C _t	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$		12	18	pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		1.2		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

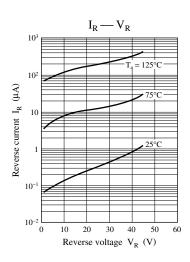
Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

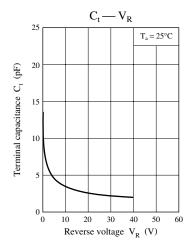
2. Rated input/output frequency: 250 MHz $\,$ 3. *: t_{rr} measuring instrument











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