

MA2Z030 Series (MA30 Series)

Silicon epitaxial planar type variable resistor

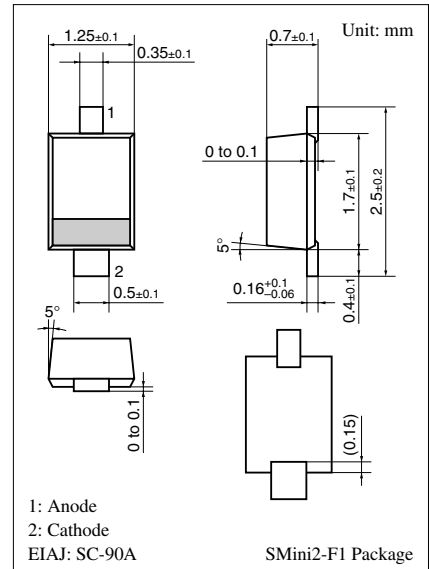
For reduced voltage and temperature compensation

■ Features

- S-mini type package, allowing high-density mounting
- Extremely small reverse current I_R
- Large power dissipation P_D
- Wide forward voltage V_F range

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

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)		V_R	6 V
Forward current (DC)	MA2Z0300A/B	I_{FM}	150
	MA2Z030WA/WB		
Power dissipation	P_D	100	mW
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +125	$^\circ\text{C}$



Marking Symbol

- MA2Z0300A: 3A
- MA2Z0300B: 3B
- MA2Z030WA: 3C
- MA2Z030WB: 3D

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

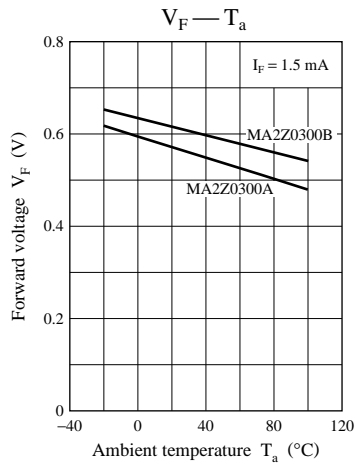
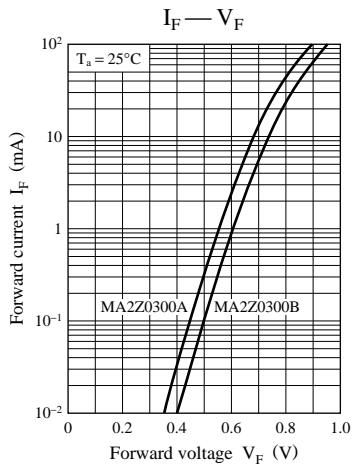
Parameter	Symbol	Conditions	Min	Typ	Max	Unit	
Reverse current (DC)	I_R	$V_R = 6\text{ V}$			1	μA	
Forward voltage (DC)	MA2Z0300A MA2Z0300B MA2Z030WA/WB	V_{F1}	$I_F = 1.5\text{ mA}$	0.56		0.61	V
				0.59		0.64	
		V_{F2}	$I_F = 10\ \mu\text{A}$	0.77			
Forward voltage (DC)	MA2Z030WA MA2Z030WB	V_{F2}	$I_F = 3\text{ mA}$	1.18		1.28	V
				1.26		1.36	
Temperature coefficient of forward voltage *	MA2Z0300A/B MA2Z030WA/WB	$-\Delta V_F / \Delta T$	$I_F = 1.5\text{ mA}$		2		mV/ $^\circ\text{C}$
				$I_F = 3\text{ mA}$		4.6	

Note) 1. Rated input/output frequency: 100 MHz

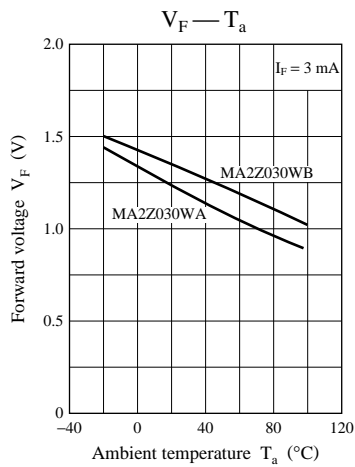
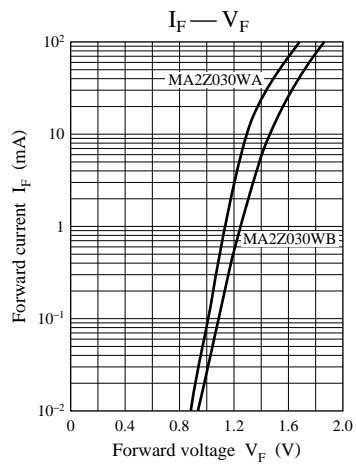
2. *: $T_j = 25^\circ\text{C}$ to 125°C

Note) The part number in the parenthesis shows conventional part number.

Characteristics charts of MA2Z030



Characteristics charts of MA2Z030W



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