

MA3X028 Series (MA28 Series)

Silicon epitaxial planar type variable resistor

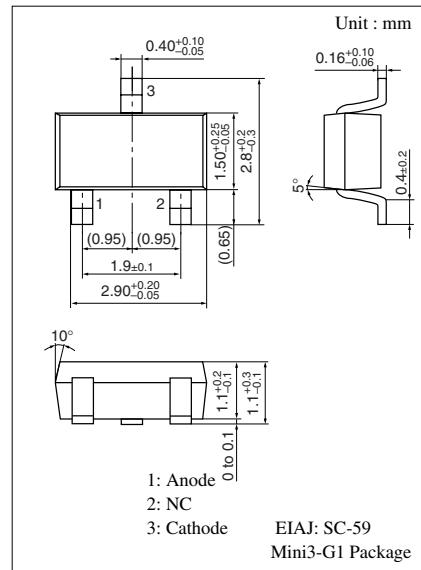
For temperature and reduced voltage compensation

■ Features

- Mini type package
- Extremely small reverse current I_R
- High reliability with planar structure
- 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)	I_{FM}	150	mA
		100	
		70	
Power dissipation	P_D	150	mW
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C



Marking Symbol

- MA3X0280A : MD
- MA3X0280B : ME
- MA3X028WA : MF
- MA3X028WB : MK
- MA3X028TA : ML
- MA3X028TB : MM

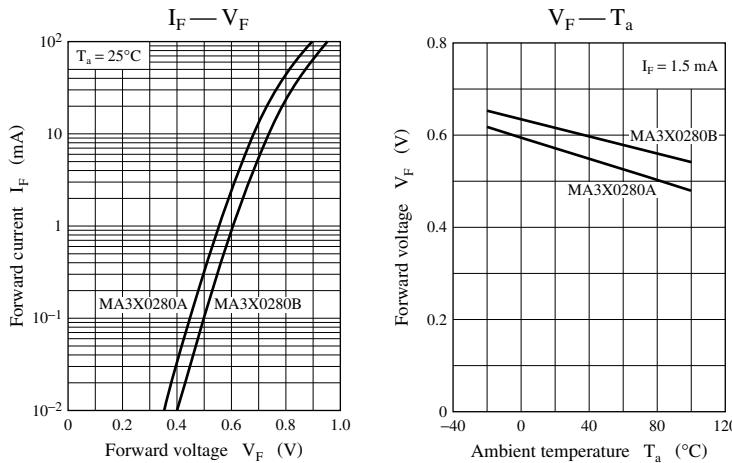
■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	$V_R = 6 \text{ V}$			1.0	μA
Forward voltage (DC)	V_{F1}	$I_F = 10 \mu\text{A}$	0.77			V
			1.15			
Forward voltage (DC)	V_{F2}	$I_F = 1.5 \text{ mA}$	0.56		0.61	V
			0.59		0.64	
			1.18		1.28	
		$I_F = 3 \text{ mA}$	1.26		1.36	
			1.76		1.92	
			1.88		2.04	
Temperature coefficient of forward voltage	$-\Delta V_F/\Delta T$	$I_F = 3 \text{ mA}$		2.0		mV/°C
				4.6		
				6.5		

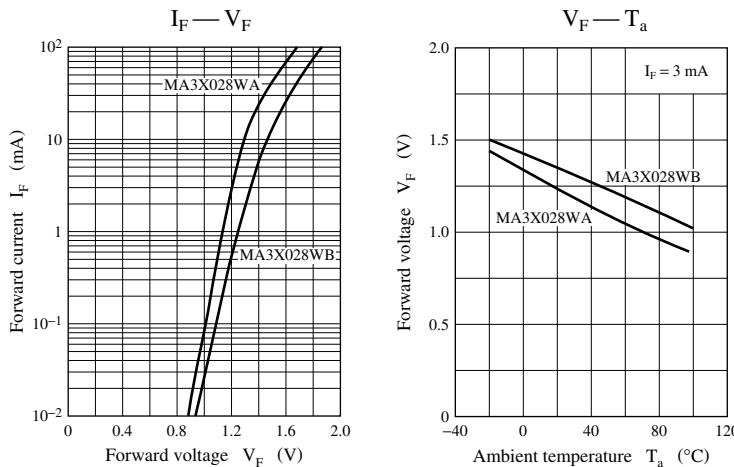
Note) Rated input/output frequency: 100 MHz

Note) The part numbers in the parenthesis show conventional part number.

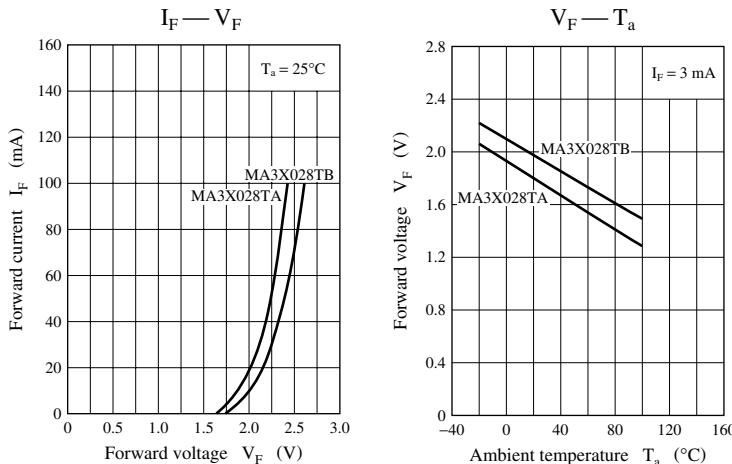
Characteristics charts of MA3X028



Characteristics charts of MA3X028W



Characteristics charts of MA3X028T



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