

MA28 Series

Silicon epitaxial planer type variable resistor

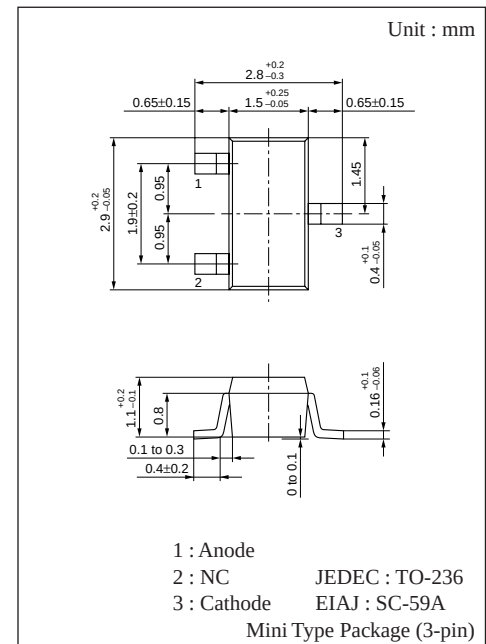
For temperature and reduced voltage compensation

■ Features

- Mini type package
- Extremely small reverse current I_R
- Planer structure with high reliability
- Wide forward voltage V_F range

■ Absolute Maximum Ratings (Ta= 25°C)

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	6	V
Forward current (DC)	MA28-A/B	150	mA
	MA28W-A/B	100	
	MA28T-A/B	70	
Power dissipation	P_D	150	mW
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	- 55 to +125	°C



■ Electrical Characteristics (Ta= 25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_R	$V_R = 6V$			1.0	μA
Forward voltage (DC)	MA28W-A/B	$I_F = 10\mu A$	0.77			V
	MA27T-A		1.15			
Forward voltage (DC)	MA28-A	$I_F = 1.5mA$	0.56		0.61	V
	MA28-B		0.59		0.64	
	MA28W-A	$I_F = 3mA$	1.18		1.28	
	MA28W-B		1.26		1.36	
	MA28T-A		1.76		1.92	
	MA28T-B		1.88		2.04	
Temperature coefficient of forward voltage	MA28-A/B	$-\Delta V_F / \Delta T$		2.0		mV/°C
	MA28W-A			4.6		
	MA28T-A			6.5		

❖ Rated input/output frequency : 100MHz

■ Marking

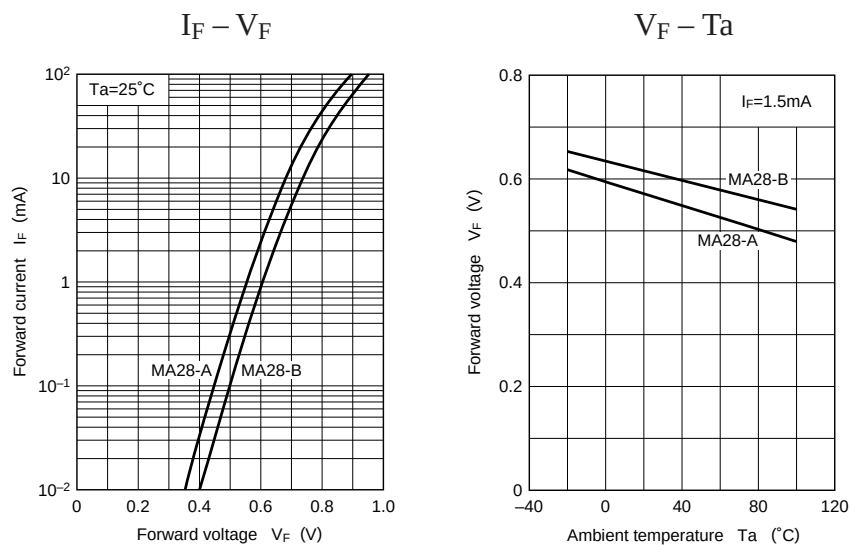
Type No.	MA28-A	MA28-B	MA28W-A	MA28W-B	MA28T-A	MA28T-B
Symbol	MD	ME	MF	MK	ML	MM

■ Marking (Example)

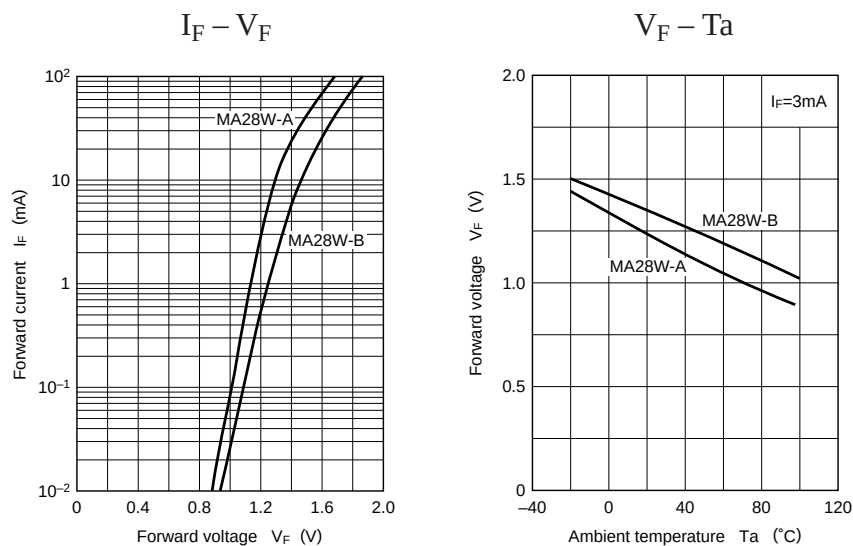


(MA28-A)

Common characteristics chart of MA28



Characteristics chart of MA28W



Characteristics chart of MA28T

