

MA206

Silicon epitaxial planer type

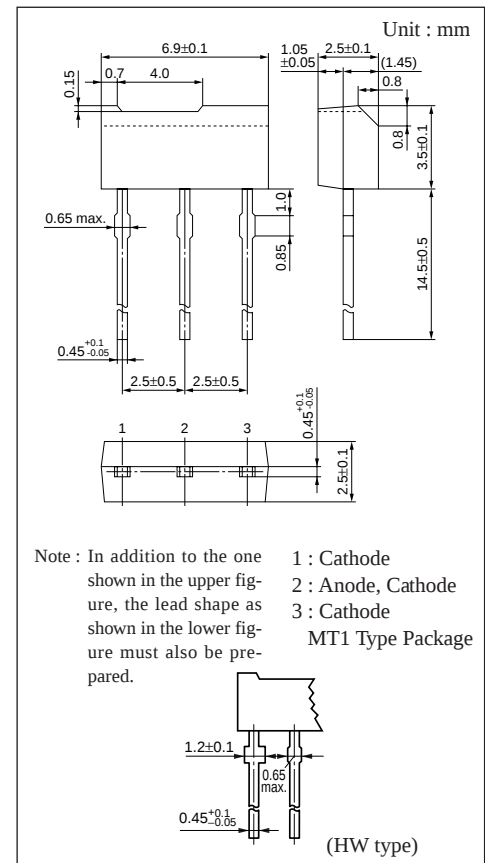
For switching circuits

■ Features

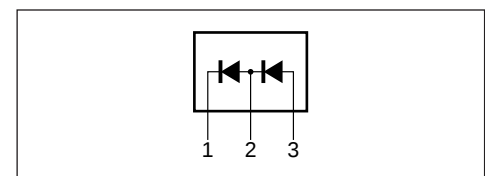
- Small capacity between pins, C_t
- Series connection
- Supply in radial taping manner possible

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

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	40	V
Peak reverse voltage	V_{RM}	40	V
Forward current (DC)	I_F	100	mA
Peak forward current	I_{FM}	200	mA
Junction temperature	T_j	150	$^\circ\text{C}$
Storage temperature	T_{stg}	- 55 to +150	$^\circ\text{C}$



■ Internal Connection

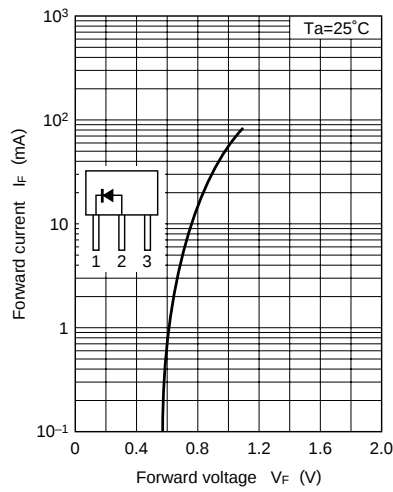
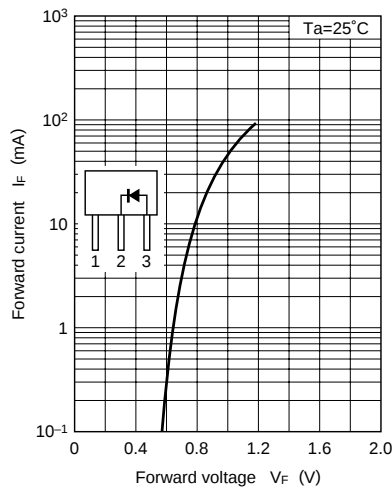
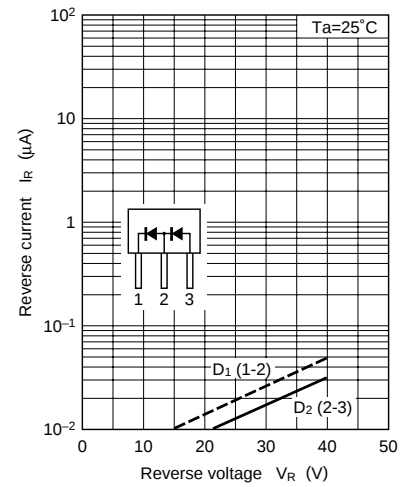
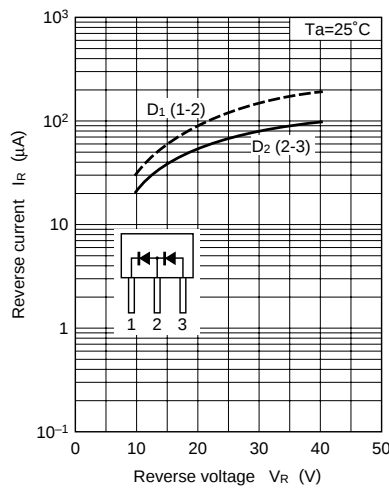
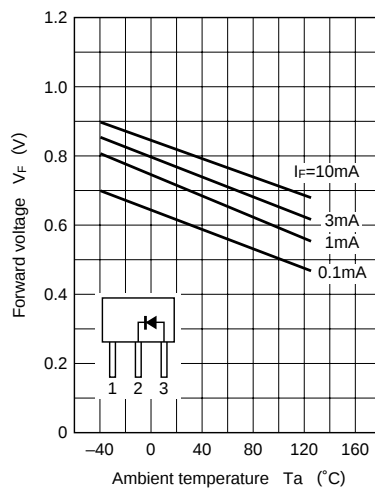
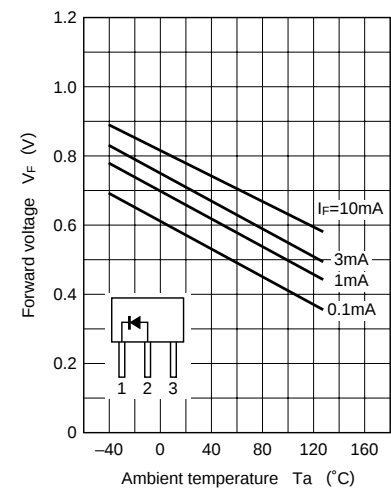
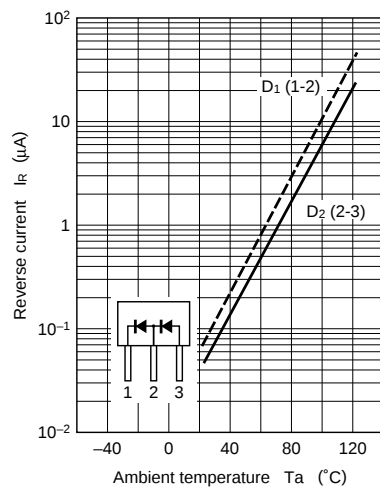


■ Electrical Characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_R	$V_R = 40\text{V}$			0.1	μA
Forward voltage (DC)	V_F	$I_F = 100\text{mA}$			1.2	V
Reverse voltage (DC)	V_R	$I_R = 100\mu\text{A}$	40			V
Terminal capacitance	C_{t1}^{*1}	$V_R = 0\text{V}, f = 1\text{MHz}$			5.5	pF
	C_{t2}^{*2}				3.0	pF

* ¹ Between pins 1 and 2

* ² Between pins 2 and 3

$I_F - V_F$  $I_F - V_F$  $I_R - V_R$  $I_R - V_R$  $V_F - T_a$  $V_F - T_a$  $I_R - T_a$  $C_t - V_R$ 