

# MA3V177

## Silicon epitaxial planar type

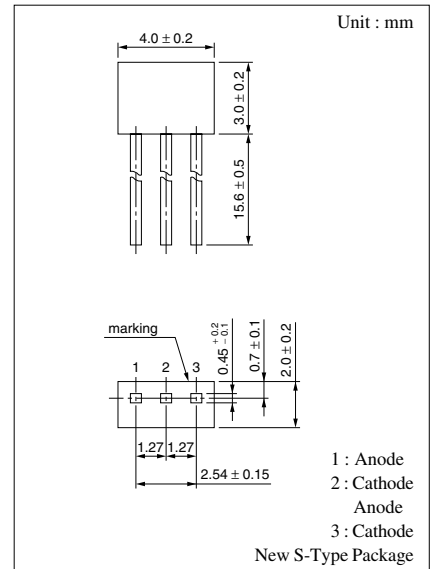
For switching circuits

### ■ Features

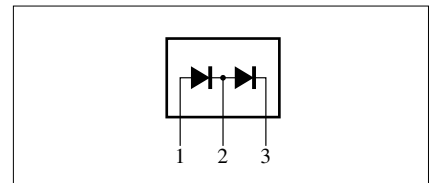
- Small terminal capacitance,  $C_t$
- Can be connected in series

### ■ 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	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	$I_R$	$V_R = 40\text{ V}$			0.1	$\mu\text{A}$
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	

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

2. \*1 : Between pins 3 and 2

\*2 : Between pins 2 and 1

