Unit : mm

MA3V177 (MA177)

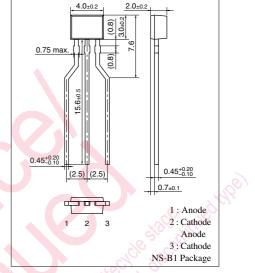
Silicon epitaxial planar type

For switching circuits

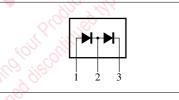
Features

- Small terminal capacitance, Ct
- Can be connected in series

Absolute Maximum Ratings $T_a = 25^{\circ}C$						
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	Tj	150	°C			
Storage temperature	T _{stg}	-55 to +150	°C			



Internal Connection



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

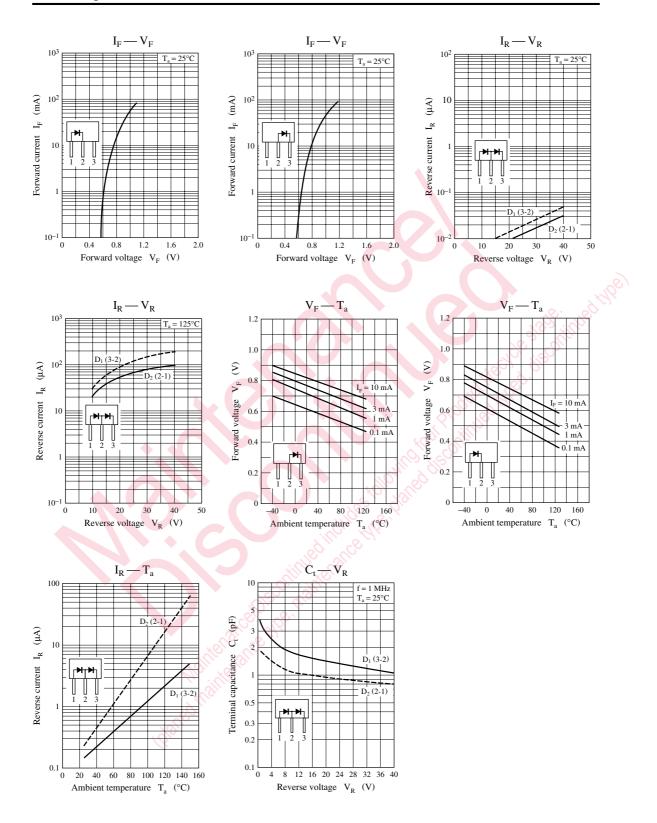
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 40 V$			0.1	μA
Forward voltage (DC)	V _F	$I_F = 100 \text{ mA}$			1.2	V
Reverse voltage (DC)	V _R	$I_R = 100 \ \mu A$	40			V
Terminal capacitance	C _{t1} *1	$V_R = 0 V, f = 1 MHz$			5.5	pF
	C _{t2} *2				3.0	

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

2. *1 : Between pins 3 and 2

*2 : Between pins 2 and 1

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



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