MA3V177 (MA177)

Silicon epitaxial planar type

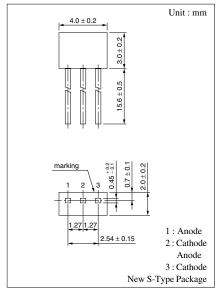
For switching circuits

■ Features

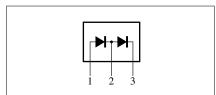
- Small terminal capacitance, Ct
- Can be connected in series

■ Absolute Maximum Ratings $T_a = 25$ °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	°C
Storage temperature	T_{stg}	-55 to +150	°C



Internal Connection

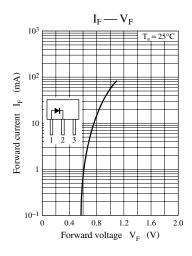


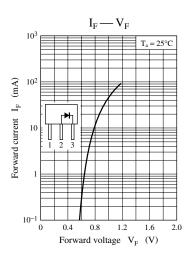
■ Electrical Characteristics $T_a = 25$ °C

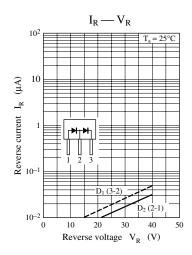
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 40 \text{ V}$			0.1	μA
Forward voltage (DC)	V _F	$I_F = 100 \text{ mA}$			1.2	V
Reverse voltage (DC)	V _R	$I_R = 100 \mu A$	40			V
Terminal capacitance	C _{t1} *1	$V_R = 0 \text{ V, } f = 1 \text{ MHz}$			5.5	pF
	C _{t2} *2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

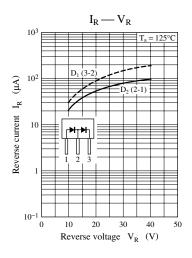
Note) 1. Rated input/output frequency: 100 MHz

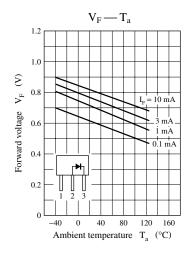
2. *1 : Between pins 3 and 2 *2 : Between pins 2 and 1

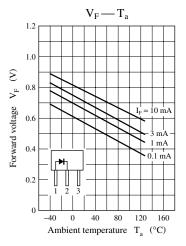


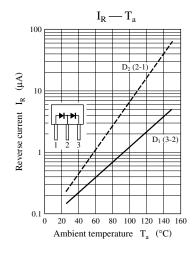


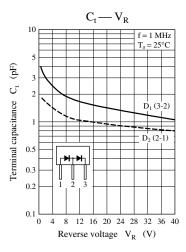












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