MA3X153, MA3X153A (MA153, MA153A)

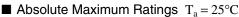
Silicon epitaxial planar type

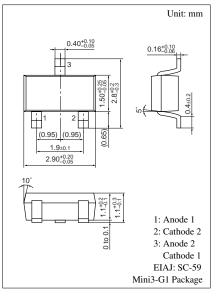
For switching circuits

Features

- Small terminal capacitance, Ct
- Two diodes are connected in series in the package

		• -		
Parameter		Symbol	Rating	Unit
Reverse voltage	MA3X153	V _R	40	V
(DC)	MA3X153A		80	
Peak reverse	MA3X153	V _{RM}	40	V
voltage	MA3X153A		80	
Forward current	Single	I_F	100	mA
(DC)	Series		65	
Peak forward	Single	I _{FM}	200	mA
current	Series		130	
Junction temperature		Tj	150	°C
Storage temperature		T _{stg}	-55 to +150	°C

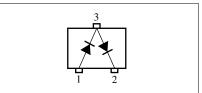




Marking Symbol

- MA3X153 : MC
- MA3X153A: MP

Internal Connection



Parameter Symbol Conditions Min Тур Max Unit Reverse current (DC) MA3X153 I_R $V_{R} = 40 V$ 0.1 μΑ MA3X153A $V_R = 75 V$ 0.1 Forward voltage (DC) $I_{F} = 100 \text{ mA}$ 1.2 V V_{F} MA3X153 $I_{R} = 100 \ \mu A$ 40 V Reverse voltage (DC) VR MA3X153A 80 $V_R = 0 V, f = 1 MHz$ 5 Terminal capacitance C_t pF t_{rr}*1 $I_F = 10 \text{ mA}, V_R = 6 \text{ V}$ Reverse recovery time 150 ns $I_{rr} = 0.1 \cdot I_R, R_L = 100 \Omega$ $t_{rr1}{}^{\ast 2}$ $I_F = 10 \text{ mA}, V_R = 6 \text{ V}$ 9 ns $I_{rr} = 0.1 \cdot I_R, R_L = 100 \ \Omega$

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

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

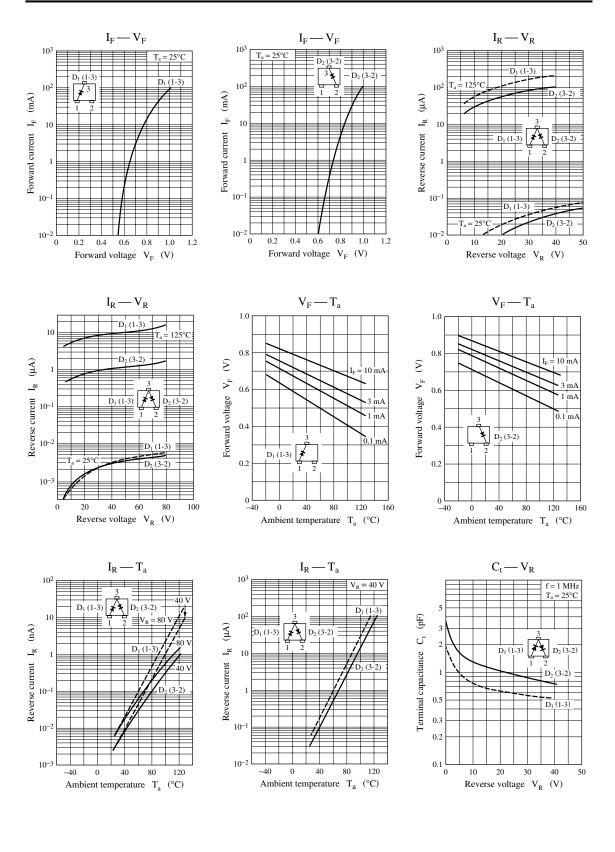
2. *1: Between pins 2 and 3

*2: Between pins 1 and 3

Note) The part numbers in the parenthesis show conventional part number.

MA3X153, MA3X153A

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