MA3X740 (MA740)

Silicon epitaxial planar type

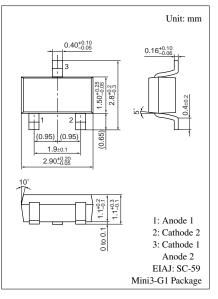
For super high speed switching For small current rectification

Features

- Two MA3X721 (MA721) is contained in one package (series connection)
- $I_{F(AV)} = 200 \text{ mA}$ (per single diode) rectification is possible
- Mini type 3-pin package

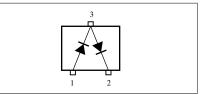
Absolute Maximum Ratings $T_a = 25^{\circ}C$								
Parameter		Symbol	Rating	Unit				
Reverse voltage (DC)		V _R	30	V				
Repetitive peak reverse-voltage		V _{RRM}	30	V				
Average forward	Single	I _{F(AV)}	200	mA				
current	Series *1		130					
Peak forward	Single	I _{FM}	300	mA				
current	Series *1		220					
Non-repetitive peak	Single	I _{FSM}	1	А				
forward-surge-current *2	Series *1		0.7					
Junction temperature		Tj	150	°C				
Storage temperature		T _{stg}	-55 to +150	°C				

Absolute Maximum Ratings $T_a = 25^{\circ}C$



Marking Symbol: M3C

Internal Connection



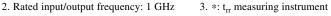
Note) *1: Value per chip

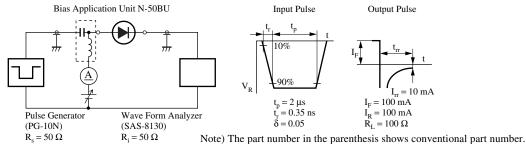
*2: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

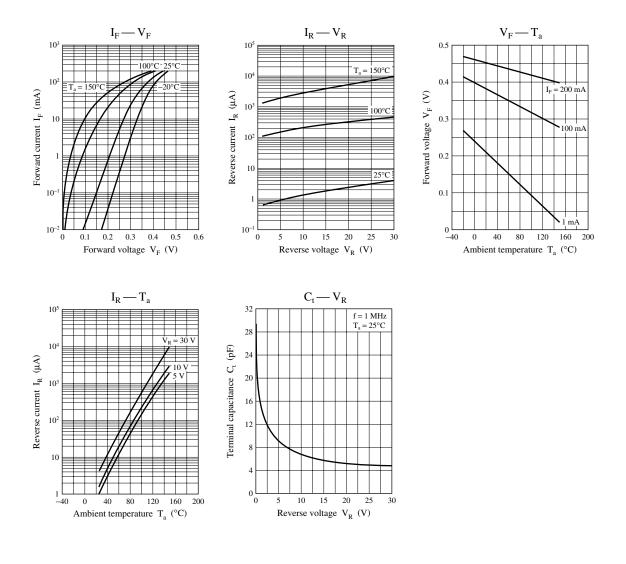
Electrical Characteristics $T_a = 25^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 30 V$			50	μΑ
Forward voltage (DC)	V _F	$I_F = 200 \text{ mA}$			0.55	V
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		30		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		3		ns
		$I_{rr} = 10 \text{ mA}, R_{I} = 100 \Omega$				

Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.







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