1015日-1997 捷多邦 , 专业PCB打样工厂

MA3X717D, MA3X717E (MA717WA, MA717WK)

Silicon epitaxial planar type

查询MA717WK供应商 Schottky Barrier Diodes (SBD)

For switching circuits

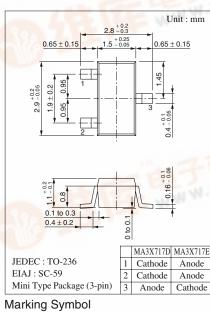
- Features
- Two MA3X717s are contained in one package
- Optimum for low-voltage rectification because of its low forward rise voltage (V_F) (Low V_F type of MA3X704D/E)
- Optimum for high-frequency rectification because of its short reverse recovery time (t_{rr})

Parameter		Symbol	Rating	Unit
Reverse voltage (DC)		V _R	30	V
Peak reverse voltage		V _{RM}	30	V
Forward current	Single	I _F	30	mA
(DC)	Double*	20 4	20	
Peak forward	Single	I _{FM}	150	mA
current	Double*		110	
Junction temperature		Tj	125	°C
Storage temperature		T _{stg}	-55 to +125	°C

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

Note) * : Value per chip

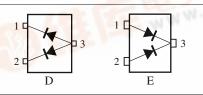
Electrical Characteristics T_a = 25°C



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- MA3X717D : M3E
- MA3X717E : M3D

Internal Connection

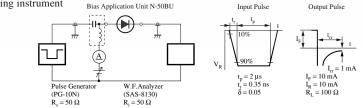


Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 30 V$			30	μΑ
Forward voltage (DC)	V _{F1}	$I_F = 1 \text{ mA}$			0.3	V
	V _{F2}	$I_F = 30 \text{ mA}$			1	V
Terminal capacitance	Ct	$V_R = 1 V, f = 1 MHz$	_	1.5	2 5	pF
Reverse recovery time*	t _{rr}	$I_F = I_R = 10 \text{ mA}$		1	- 1	ns
		$I_{rr} = 1 \text{ mA}, R_{L} = 100 \Omega$	6			
Detection efficiency	η	$V_{in} = 3 V_{(peak)}, f = 30 MHz$		65		%
	12-2-	$R_{L} = 3.9 \text{ k}\Omega, C_{L} = 10 \text{ pF}$				

Note) 1. Schottky barrier diode 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

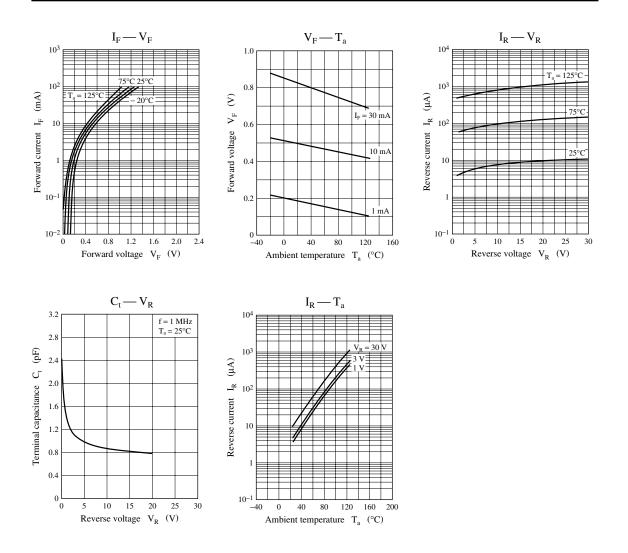
2. Rated input/output frequency: 2 000 MHz

3. *: t_{rr} measuring instrument Bias App



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

MA3X717D, MA3X717E



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