MA3J741D, MA3J741E (MA741WA, MA741WK)

Silicon epitaxial planar type

For switching

Features

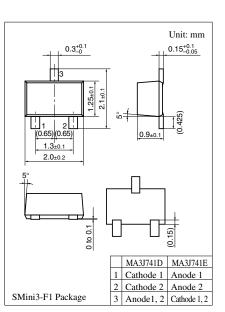
- Two MA3J741 (MA741) is contained in one package
- \bullet Low forward voltage V_F and good wave detection efficiency η
- Small temperature coefficient of forward characteristic
- Small reverse current I_R
- S-Mini type 3-pin package

)	Symbol V _R V _{RM}	Rating 30	Unit V
)		30	V
	V		
	▼ RM	30	V
Single	I _F	30	mA
Double *		20	
Single	I_{FM}	150	mA
Double *		110	
Junction temperature		125	°C
Storage temperature		-55 to +125	°C
1	Double * Single	Double * IFM	Double *20Single I_{FM} 150Double *110Tj125

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

Note) *: Value per chip

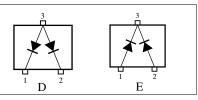
Electrical Characteristics $T_a = 25^{\circ}C$



Marking Symbol

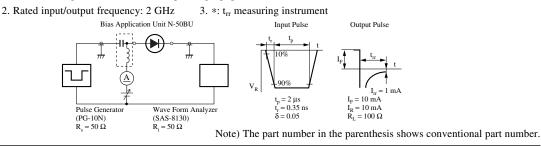
• MA3J741D: M2P • MA3J741E: M2R

Internal Connection

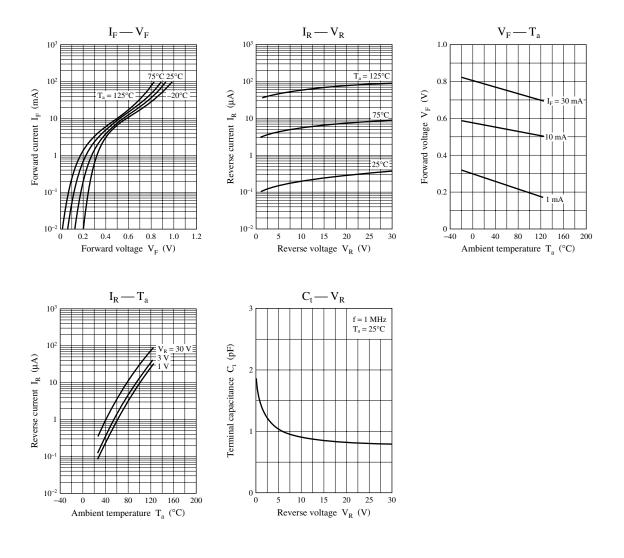


Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	IR	$V_R = 30 V$			1	μΑ
Forward voltage (DC)	V _{F1}	$I_F = 1 \text{ mA}$			0.4	V
	V _{F2}	$I_F = 30 \text{ mA}$			1	
Terminal capacitance	Ct	$V_R = 1 V, f = 1 MHz$		1.5		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 10 \text{ mA}$		1		ns
		$I_{rr} = 1 \text{ mA}, R_L = 100 \Omega$				
Detection efficiency	η	$V_{in} = 3 V_{(peak)}$, f = 30 MHz		65		%
		$R_L = 3.9 \text{ k}\Omega, C_L = 10 \text{ pF}$				

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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