MAU2728

Silicon epitaxial planar type

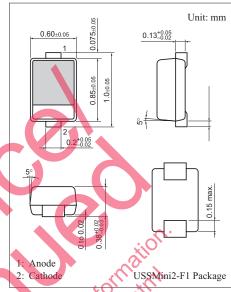
For rectification

■ Features

- Optimum for high-density mounting
- \bullet Low forward voltage V_F , good wave detection efficiency η
- Extremely low reverse current I_R

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	30	V
Maximum peak reverse voltage	V_{RM}	30	V
Forward current (Average)	I_{F}	30	mA
Non-repetitive peak forward surge current	I_{FSM}	150	mA
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55 to +125	°C

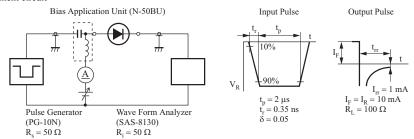


Marking Symbol. 1A

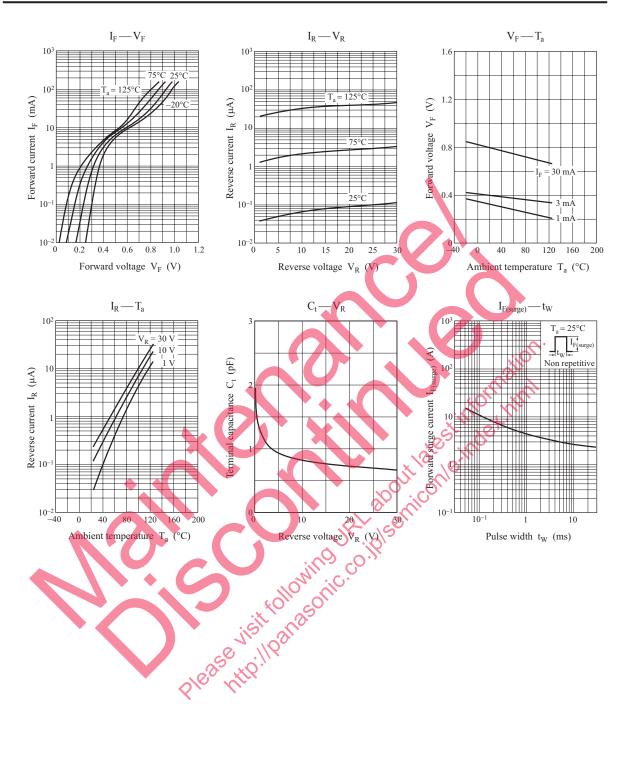
■ Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions Mir	Тур	Max	Unit
Forward voltage	V_{F1}	$I_F = 1 \text{ mA}$		0.4	V
	V_{F2}	$I_F = 30 \text{ mA}$		1.0	V
Reverse current	I_R	$V_R = 30 \text{ V}$		300	nA
Terminal capacitance	Ct	$V_R = 1 \text{ V, } f = 1 \text{ MHz}$	1.5		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 10 \text{ mA}, I_m = 1 \text{ mA},$ $R_L = 100.\Omega$	1.0		ns
Detection efficiency	η	$V_{IN} = 3 \text{ V(peak)}, f = 30 \text{ MHz},$ $R_L = 3.9 \text{ k}\Omega, C_L = 10 \text{ pF}$	65		%

- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. 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.
 - 3. Absolute frequency of input and output is 2 GHz
 - 4. *: t_{rr} measurement circuit



MAU2728 Panasonic



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