MA21D38

Silicon epitaxial planar type

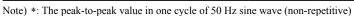
For high frequency rectification

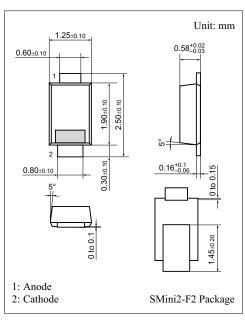
■ Features

- $I_{F(AV)} = 1$ A rectification is possible
- Low forward voltag V_F
- High non-repetitive peak forward surge voltage

■ 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(AV)}	1.0	A				
Non-repetitive peak forward surge current *	I _{FSM}	20	A				
Junction temperature	T _j	125	°C				
Storage time	T _{stg}	-55 to +125	°C				



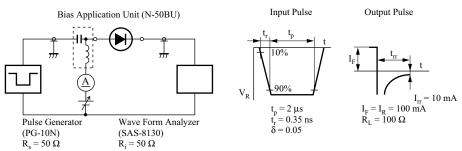


Marking Symbol: 3U

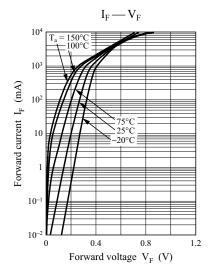
■ Electrical Characteristics $T_a = 25$ °C±3°C

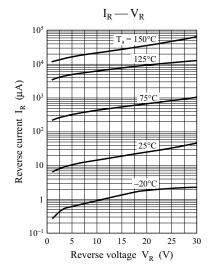
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F1}	$I_F = 0.5 A$		0.34	0.38	V
	V_{F2}	$I_F = 0.7 A$		0.36	0.40	
	V _{F3}	$I_{\rm F} = 1.0 \text{ A}$		0.38	0.42	
Reverse current	I_R	$V_R = 30 \text{ V}$			100	μΑ
Terminal capacitance	C _t	V _R = 10 V, f = 1 MHz		40		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}, I_{rr} = 10 \text{ mA},$ $R_L = 100 \Omega$		13		ns

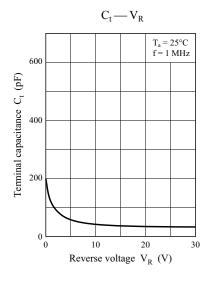
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
 - 3. *: t_{rr} measurement circuit

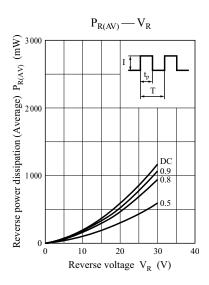


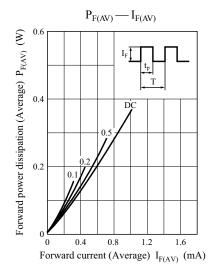
MA21D38 Panasonic

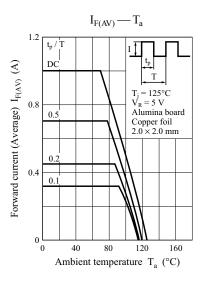


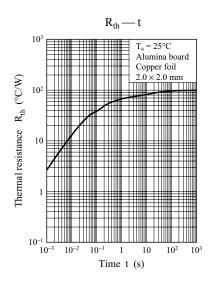












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