Panasonic

MAYK062D

Silicon planar type

For waveform clipper For surge absorption circuit

■ Features

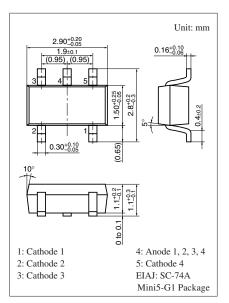
• Low joint capacity zener diode: $V_Z = 6.2 \text{ V}$

• Mini type 5-pin package

■ Absolute Maximum Ratings $T_a = 25$ °C

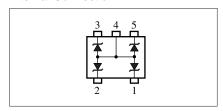
Parameter	Symbol	Rating	Unit	
Repetitive peak forward current	I_{FRM}	200	mA	
Total power dissipation *	P _{tot}	200	mW	
Junction temperature	T _j	150	°C	
Storage temperature	T_{stg}	-55 to +150	°C	

Note) * : With a printed-circuit board



Marking Symbol: 6.2C

Internal Connection

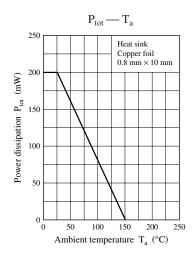


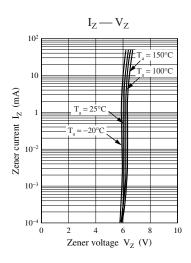
■ Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C^{*1}$

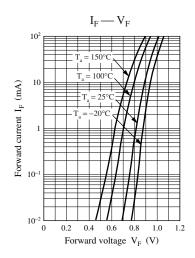
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 10 \text{ mA}$		0.9	1.0	V
Zener voltage *2	V _Z	$I_Z = 5 \text{ mA}$	5.9		6.5	V
Operating resistance	R _{ZK}	$I_Z = 0.5 \text{ mA}$			100	Ω
	$R_{\rm Z}$	$I_Z = 5 \text{ mA}$			30	
Reverse current	I_R	$V_R = 5.5 \text{ V}$			3	μΑ
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$		8		pF

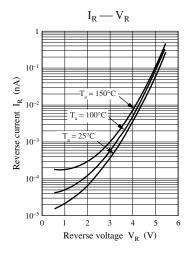
Note) 1. Test method according to the JIS C7031 testing

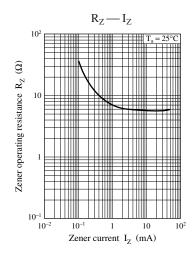
- 2. Rated input/output frequency: 5 MHz
- 3. *1: The V_Z value is for the temperature of 25°C. In other cases, carry out the temperature compensation.
 - *2: Guaranteed at 20 ms after power application.

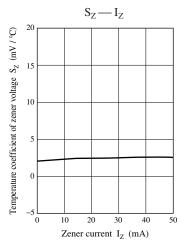


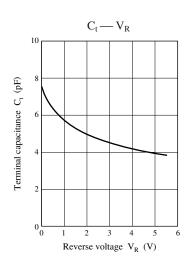












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