MAYK062D

Silicon planar type

For waveform clipper For surge absorption circuits

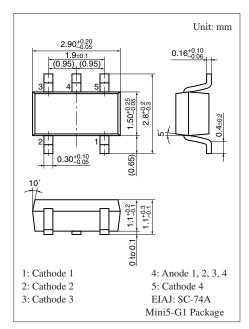
■ Features

• Low joint capacity zener diode

■ Absolute Maximum Ratings $T_a = 25$ °C

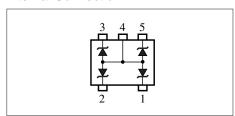
Parameter	Symbol	Rating	Unit
Repetitive peak forward current	I_{FRM}	200	mA
Total power dissipation *	P _{tot}	200	mW
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Note) *: $P_{tot} = 200 \text{ mW}$ achieved with a printed circuit board



Marking Symbol: 6.2C

Internal Connection



■ Electrical Characteristics $T_a = 25$ °C ± 3 °C *1

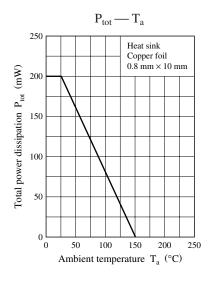
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F}	$I_F = 10 \text{ mA}$		0.9	1.0	V
Zener voltage *2	Vz	$I_Z = 5 \text{ mA}$	5.9		6.5	V
Reverse current	I_R	$V_R = 5.5 \text{ V}$			3	μA
Zener rise operating resistance	R _{ZK}	$I_Z = 0.5 \text{ mA}$			100	Ω
Zener operating resistance	R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

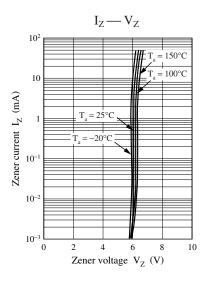
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

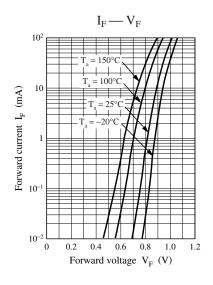
- 2. Absolute frequency of input and output is 5 MHz.
- 3. *1: The temperature must be controlled 25°C for V_Z mesurement.

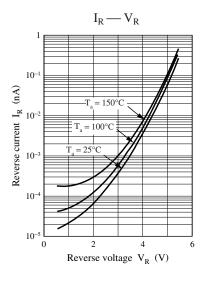
 V_Z value measured at other temperature must be adjusted to $V_Z\,(25^{\circ}\text{C}).$

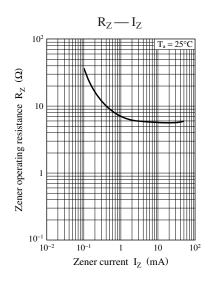
 $*2: V_Z$ guaranteed 20 ms after current flow.

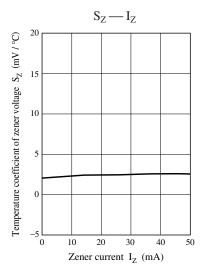


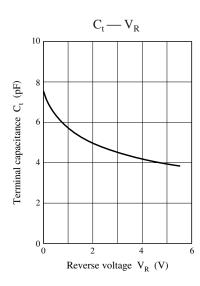












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