45+0.

MAZL120D

Silicon planer type

Unit : mm Constant voltage, constant current, waveform 2.8+0.2 cripper and surge absorption circuit 1.5 +0.25 0.65±0.15 0.65±0.15 Features • Mini type package (5-pin) • Four anode-common element wiring of MA8120 0.3-0.05 0.16 -0.06 0.1 to 0.3 0 to 0.1 0.4±0.2 ■ Absolute Maximum Ratings (Ta= 25°C) 1 : Cathode 4 : Anode 1, 2 Symbol Rating Unit Parameter 2 : Cathode 2 Anode 3, 4 100 *1 Average forward current mΑ I_{F(AV)} 3 : Cathode 3 5 : Cathode 4 Mini Type Package (5-pin) 200 *1 Instanious forward current mA IFRM P_{tot}^{*2} 200 *1 mW Total power dissipation Internal Connection URL apout late Ti 150 Junction temperature T_{stg} 55 to + 150 Storage temperature *1 Working value in a single piece *2 With a printed-circuit board Electrical Characteristics (Ta= 25°C Condition ------

Parameter	Symbol	Condition C	min	typ	max	Unit
Forward voltage	V _F	I _F =10mA		0.9	1.0	V
Zener voltage	V _Z *2	$I_Z = 5 m A$	11.40	12.00	12.70	V
Operating resistance	R _{ZK}	Iz=0.5mA			80	Ω
	R _Z	Iz= 5mA			30	Ω
Reverse current	I _R	V _R =9V			0.05	μΑ
Temperature coefficient of zener voltage	S _Z *30	Z=5mA		8.4		mV/°C
Terminal capacitance	Ct	$V_{R}=0V$, f=1MHz			25	pF

Note 1. Test method : Depend on JIS C7031 testing

2. Rated input/output frequency : 5MHz

3. * ¹ : The V_Z value is for the temperature of 25°C. In other cases, carry out the temperature compensation.

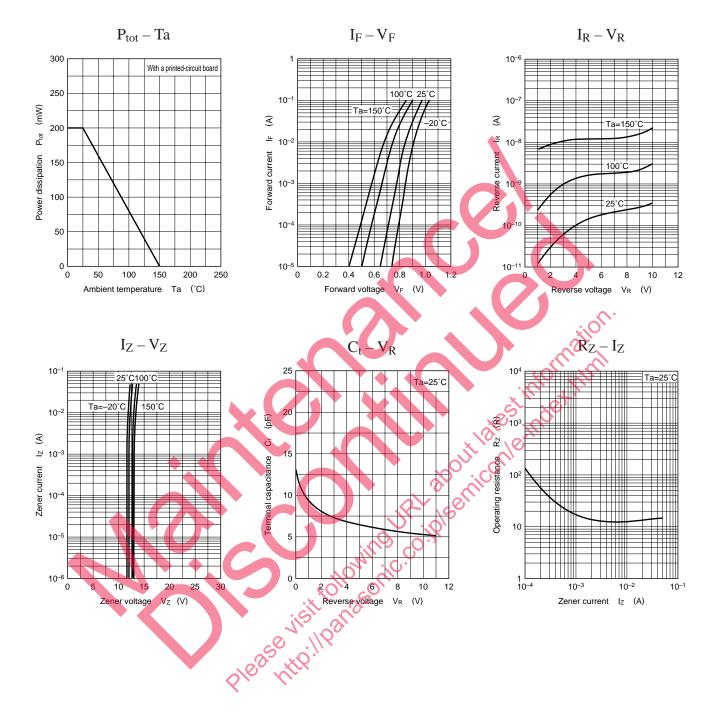
* ² : Guaranteeed at 20ms after power application

* 3 : T_i= 25 to 150°C

Marking



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