

Silicon planar type

■ Features

- Two elements anode-common type
- $P_{\text{tot}} = 150 \text{ mW}$

Parameter	Symbol	Rating	Unit
Total power dissipation *	P_{tot}	150	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

Unit: mm

Top View Dimensions:

- Overall width: 0.28 ± 0.05
- Overall height: 0.80 ± 0.05
- Pin 1 width: 0.28 ± 0.05
- Pin 2 width: 0.28 ± 0.05
- Pin 3 width: 0.28 ± 0.05
- Pin 1 to Pin 2 distance: 0.80 ± 0.05
- Pin 2 to Pin 3 distance: 0.80 ± 0.05
- Pin 1 to Pin 3 distance: 1.60 ± 0.05
- Pin 1 to Pin 2 distance (center-to-center): 0.80
- Pin 2 to Pin 3 distance (center-to-center): 0.80
- Pin 1 to Pin 3 distance (center-to-center): 1.60 ± 0.05
- Pin 1 to Pin 2 distance (edge-to-edge): 0.51
- Pin 2 to Pin 3 distance (edge-to-edge): 0.51
- Pin 1 to Pin 3 distance (edge-to-edge): 0.51

Side View Dimensions:

- Overall height: 0.12 ± 0.05
- Pin 1 height: 0.89 ± 0.03
- Pin 2 height: 0.89 ± 0.03
- Pin 3 height: 0.89 ± 0.03
- Pin 1 to Pin 2 distance: 0.44
- Pin 2 to Pin 3 distance: 0.44
- Pin 1 to Pin 3 distance: 0.89 ± 0.03
- Pin 1 to Pin 2 distance (center-to-center): 0.44
- Pin 2 to Pin 3 distance (center-to-center): 0.44
- Pin 1 to Pin 3 distance (center-to-center): 0.89 ± 0.03
- Pin 1 to Pin 2 distance (edge-to-edge): 0.375
- Pin 2 to Pin 3 distance (edge-to-edge): 0.375
- Pin 1 to Pin 3 distance (edge-to-edge): 0.75

End View Dimensions:

- Overall width: 0.15
- Pin 1 width: 0.15
- Pin 2 width: 0.15
- Pin 3 width: 0.15
- Pin 1 to Pin 2 distance: 0.15
- Pin 2 to Pin 3 distance: 0.15
- Pin 1 to Pin 3 distance: 0.30

Pin 1: Cathode 1
Pin 2: Cathode 2
Pin 3: Anode 1, 2

EIAJ: SC-89

SSMini3-F2 Package

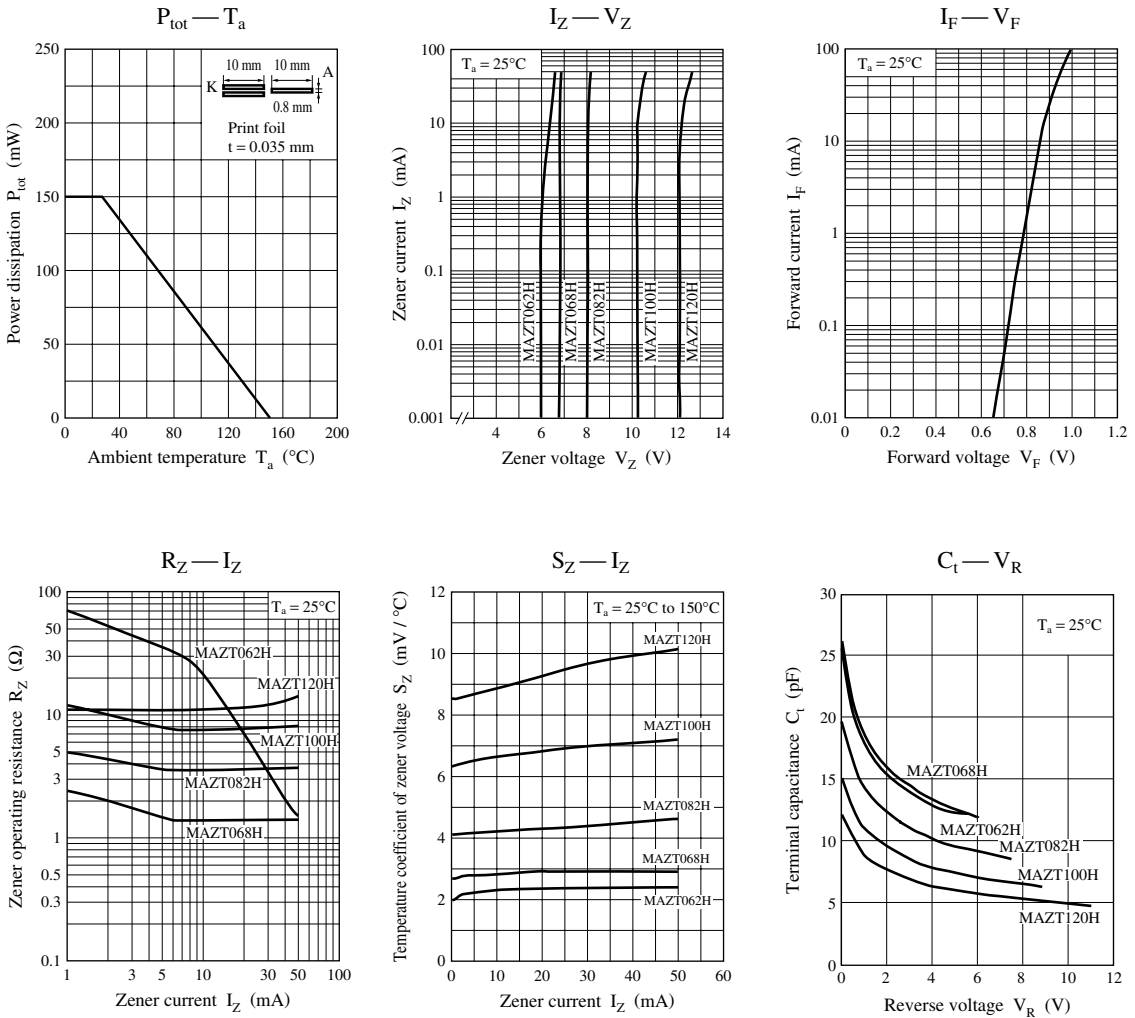
Parameter	Symbol	Conditions		Min	Typ	Max	Unit
Zener voltage ^{*2}	V _Z	I _Z	Specified value				V
Zener knee operating resistance	R _{ZK}	I _Z	Specified value	Refer to the list of the electrical characteristics within part numbers			Ω
Zener operating resistance	R _Z	I _Z	Specified value				Ω
Reverse current	I _R	V _R	Specified value				μA

*2: Guaranteed at 20 ms after power application.

■ Electrical characteristics within part numbers $T_a = 25^{\circ}\text{C}$

Part number	Zener voltage				Reverse current		Zener operating resistance		Marking symbol
	V_Z (V)				I_R (μA)		R_Z (Ω)	R_{ZK} (Ω)	
	Min	Nom	Max	I_Z (mA)	Max	V_R (V)	$I_Z = 5\text{ mA}$ Max	$I_Z = 0.5\text{ mA}$ Max	
MAZT062H	5.8	6.2	6.6	5	0.2	4	50	100	6.2Z
MAZT068H	6.4	6.8	7.2	5	0.1	4	30	60	6.8Z
MAZT082H	7.7	8.2	8.7	5	0.1	5	30	60	8.2Z
MAZT100H	9.4	10.0	10.6	5	0.05	7	30	60	10Z
MAZT120H	11.4	12.0	12.7	5	0.05	9	30	80	12Z

Note) 1. The V_Z value is the one after power application for 20 ms at $T_a = 25^{\circ}\text{C}$.
2. The zener voltage temperature coefficient is the one for $T_j = 25^{\circ}\text{C}$ to 150°C .



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