

0SZ-1034-50V12

SILICON ZENER DIODE

COMMON CATHODE TYPE ZENER DIODE

APPLICATION : Surge ESD Protector

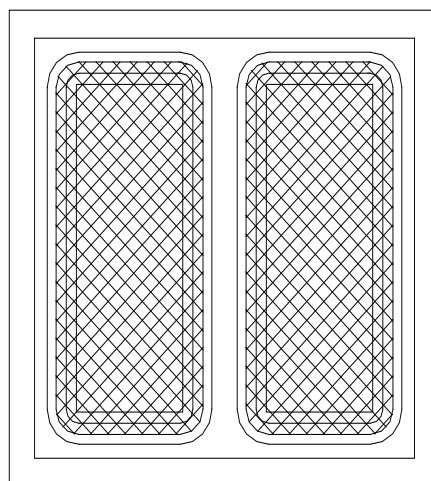
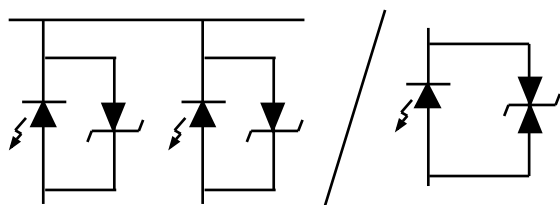
- DIE SIZE $0.32(\pm 0.02)\text{mm} \times 0.32(\pm 0.02)\text{mm}$
- DIE THICKNESS $120\mu\text{m} \pm 20\mu\text{m}$
- METALLIZATION

TOP Au

BOTTOM Au

- BONDING PAD SIZE
ANODE(TOP) $116(\pm 10)\mu\text{m} \times 266(\pm 10)\mu\text{m}$
CATHODE(BOTTOM)

● SCHEMATIC DIAGRAM



● ELECTRICAL CHARACTERISTICS ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=10\text{mA}$	0.7		1.2	V
Zener Voltage	V_Z	$I_Z=1\text{mA}$	48.0		62.0	V
Reverse Current	I_R	$V_R=40\text{V}$			0.1	μA

● ABSOLUT MAXIMUM RATINGS ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P_d	100	mW
Junction Temperature	T_J	150	$^\circ\text{C}$

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PART NAME : ZENER DIODE

PART NUMBER : 0SZ-1034-50V12

