

INT06V4BM1FOR ESD PROTECTION
SILICON EPITAXIAL TYPE(COMMON ANODE)**DESCRIPTION**

INT06V4BM1 is super mini package plastic seal type silicon epitaxial type diode.

It guarantees ESD protection of LEVEL4 with IEC61000-4-2. It is suitable for ESD protection of external interface circuit.

FEATURE

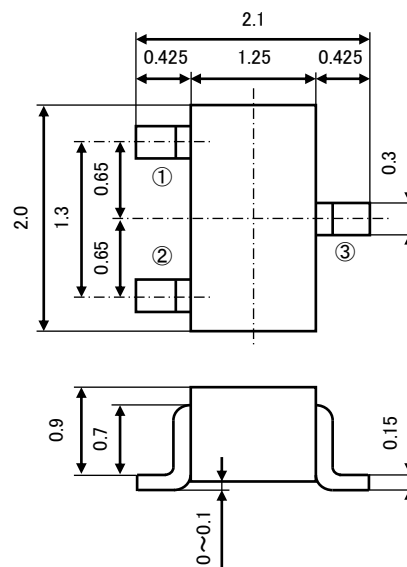
- Possible to high density mounting with small sized package and double diode
- Low capacitance ; $C_T=40\text{pF(TYP)}$
- Guaranteed ESD protection;
IEC61000-4-2(air) $\pm 30\text{kV}$
IEC61000-4-2(contact) $\pm 30\text{kV}$
- Reverse Stand-off voltage 5V

APPLICATION

ESD protection for external interface circuit

OUTLINE DRAWING

UNIT : mm



JEITA : SC-70

① : CATHODE1

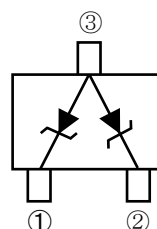
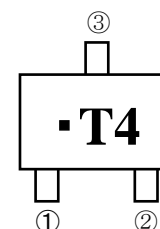
② : CATHODE2

③ : ANODE (COMMON)

MAXIMUM RATINGS(Ta=25°C)

Parameter	Symbol	Ratings	Unit
Total power dissipation	P_T	200*	mW
Junction temperature	T_j	+150	°C
Storage temperature	T_{stg}	-55 ~ +150	°C

* Mounted on glass epoxy board (19mm×9mm×1mm).

INTERNAL CONNECTION**MARKING****ELECTRICAL CHARACTERISTICS(Ta=25°C)**

Parameter	Symbol	Test conditions	Limits			Unit
			Min	Typ	Max	
Breakdown voltage	V_{BR}	$I_R=5\text{mA}$	6.4	6.8	7.2	V
Reverse current	I_R	$V_R=5.0\text{V}$	—	—	1.0	μA
Pin capacitance	C_T	$V_R=0\text{V}$	—	40	—	pF

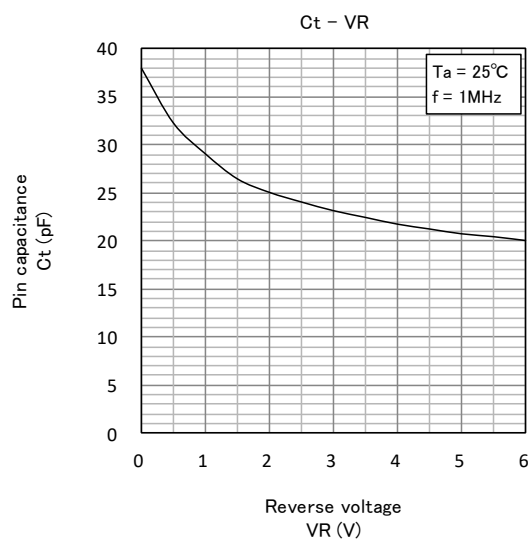
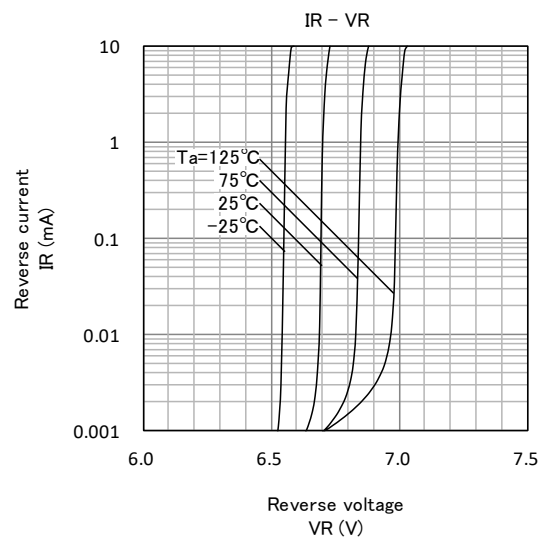
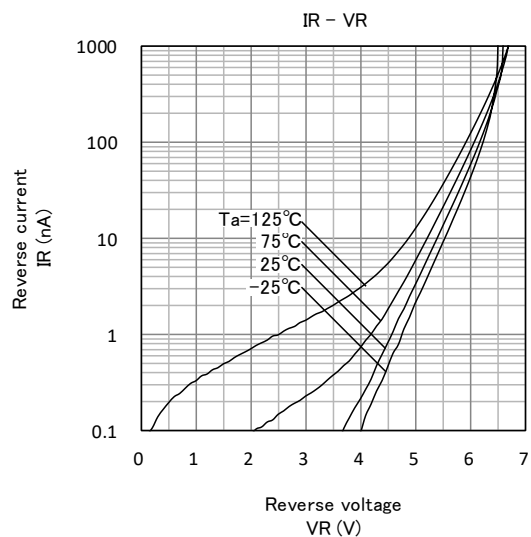
GUARANTEED ESD PROTECTION

Test condition	ESD protection	Unit
IEC61000-4-2(Air discharge)	± 30	kV
IEC61000-4-2(Contact discharge)	± 30	kV

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FOR ESD PROTECTION
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TYPICAL CHARACTERISTICS



Keep safety first in your circuit designs!

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