

**INT05V3AM1**FOR ESD PROTECTION  
SILICON EPITAXIAL TYPE(COMMON ANODE)**DESCRIPTION**

INT05V3AM1 is super mini package plastic seal type silicon epitaxial type diode.

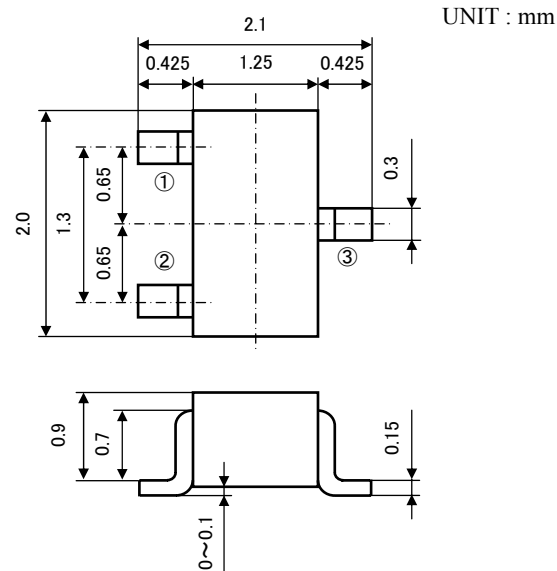
It guarantees ESD protection of LEVEL4 with IEC61000-4-2. It is suitable for ESD protection of external interface circuit.

**FEATURE**

- Possible to high density mounting with small sized package and double diode
- Low capacitance ;  $C_T=15\text{pF(TYP)}$
- Guaranteed ESD protection;  
IEC61000-4-2(air)  $\pm 15\text{KV}$   
IEC61000-4-2(contact)  $\pm 8\text{KV}$

**APPLICATION**

ESD protection for external interface circuit

**OUTLINE DRAWING**

JEITA : SC-70

JEDEC : —

TERMINAL CONNECTION

①: CATHODE1

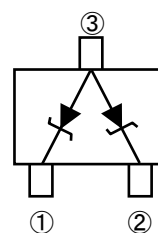
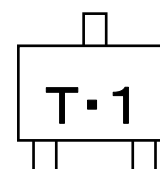
②: CATHODE2

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).

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

Parameter	Symbol	Test conditions	Limits			Unit
			Min	Typ	Max	
Breakdown voltage	$V_{BR}$	$I_R=1\text{mA}$	5.3	5.6	5.9	V
Reverse current	$I_R$	$V_R=3.0\text{V}$	-	-	1.0	$\mu\text{A}$
Pin capacitance	$C_T$	$V_R=0\text{V}$	-	15	-	pF

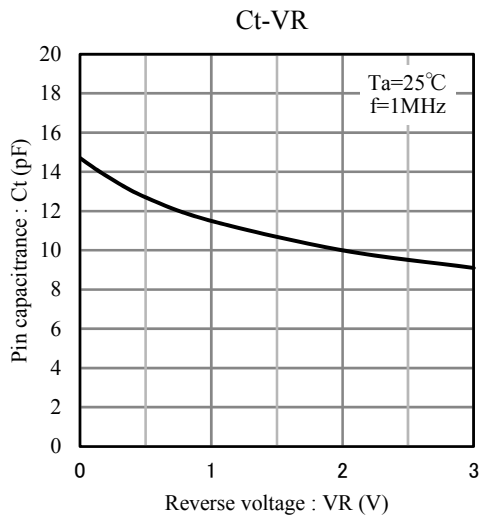
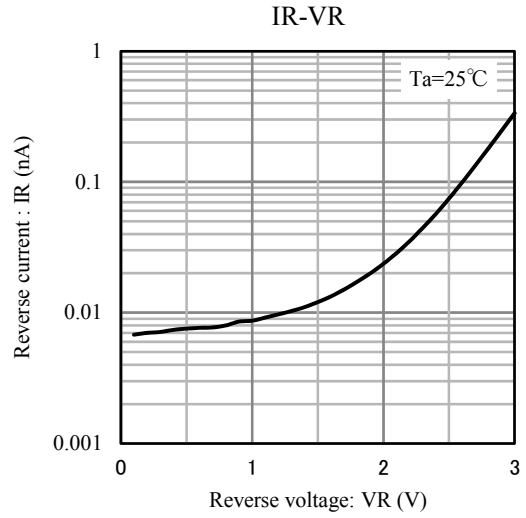
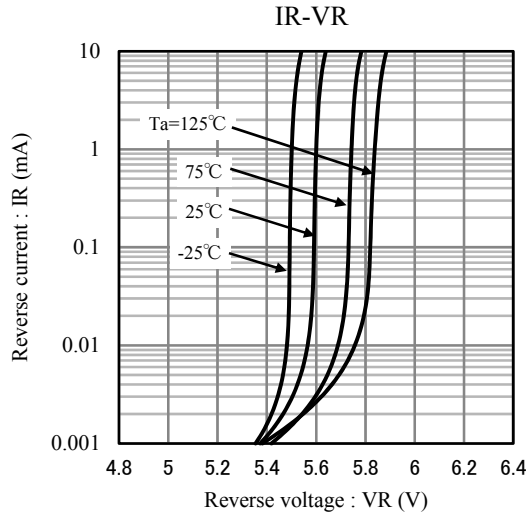
**GUARANTEED ESD PROTECTION**

Test condition	ESD protection	Unit
IEC61000-4-2(Contact discharge)	$\pm 15$	kV
IEC61000-4-2(Air discharge)	$\pm 8$	kV

# INT05V3AM1

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SILICON EPITAXIAL TYPE(COMMON ANODE)

## TYPICAL CHARACTERISTICS





6-41 Tsukuba, Isahaya, Nagasaki, 854-0065 Japan

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