

INTB27VAC1

FOR ESD PROTECTION
SILICON EPITAXIAL TYPE(COMMON ANODE)

DESCRIPTION

INTB27VAC1 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
- Guaranteed ESD protection;
IEC61000-4-2(air) ±15kV
IEC61000-4-2(contact) ±8kV
- Reverse Stand-off voltage 21V

APPLICATION

ESD protection for external interface circuit

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

ELECTRICAL CHARACTERISTICS(Ta=25°C)

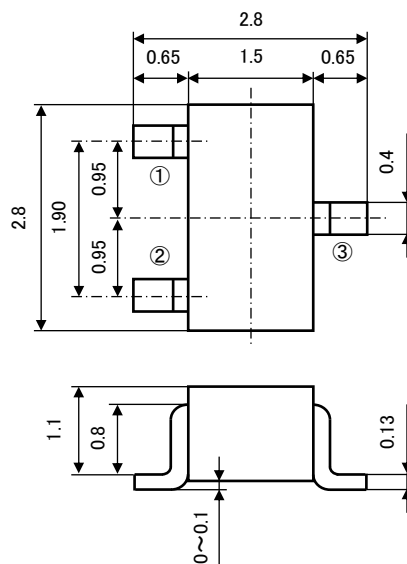
Parameter	Symbol	Test conditions	Limits			Unit
			Min	Typ	Max	
Breakdown voltage	V _{BR}	I _R =5mA	25.5	27.0	28.5	V
Reverse current	I _R	V _R =21V	—	—	1.0	μA
Pin capacitance	C _T	V _R =0V	—	20	—	pF

GUARANTEED ESD PROTECTION

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

OUTLINE DRAWING

UNIT : mm



JEITA : SC-59

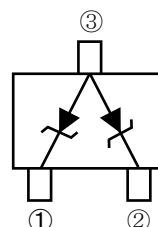
JEDEC : —

① : CATHODE1

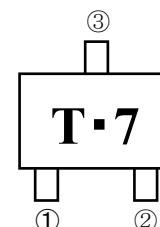
② : CATHODE2

③ : ANODE (COMMON)

INTERNAL CONNECTION



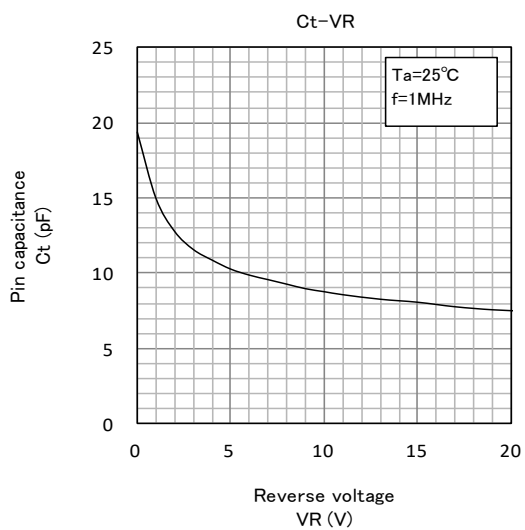
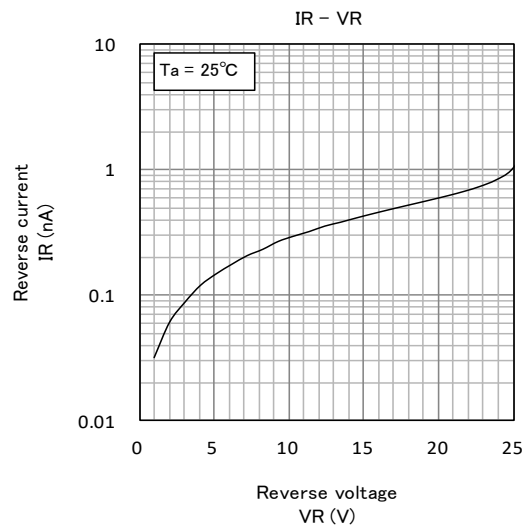
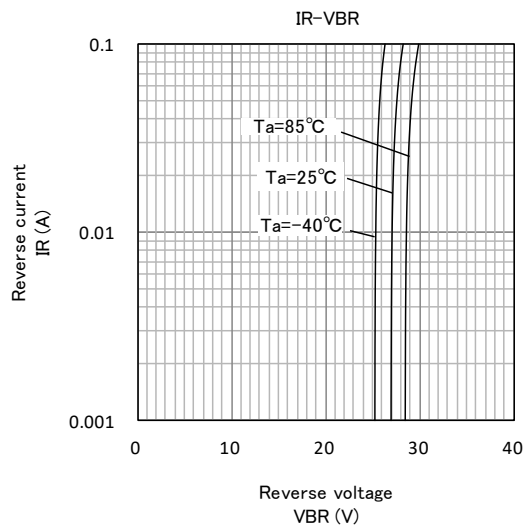
MARKING



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TYPICAL CHARACTERISTICS



Keep safety first in your circuit designs!

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