# INTB27VAC1-TH50

FOR ESD PROTECTION SILICON EPITAXIAL TYPE(COMMON ANODE)

### AEC-Q101 Compliance

#### 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**

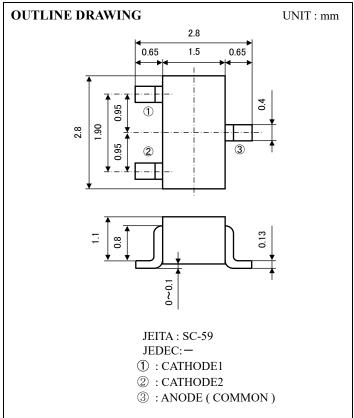
- Possible to high density mounting with small sized package and double diode
- Guaranteed ESD protection;
   IEC61000-4-2(air) ±15kV
   IEC61000-4-2(contact) ±8kV
- Reverse Stand-off voltage 21V

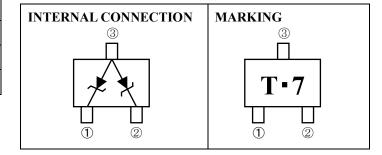
#### APPLICATION

ESD protection for external interface circuit

# MAXIMUM RATINGS(Ta=25°C)

Parameter	Symbol	Ratings	Unit	
Total power dissipation	$P_{T}$	200	mW	
Junction temperature	$T_{\rm j}$	+150	$^{\circ}\!\mathbb{C}$	
Storage temperature	$T_{\text{stg}}$	-55 <b>~</b> +150	$^{\circ}$	





# ELECTRICAL CHARACTERISTICS(Ta=25°C)

Parameter	Symbol	Test conditions	Limits			T.T:4
			Min	Тур	Max	Unit
Breakdown voltage	$V_{BR}$	I <sub>R</sub> =5mA	25.5	27.0	28.5	V
Reverse current	$I_R$	V <sub>R</sub> =21V	_	_	1.0	μА
Pin capacitance	CT	V <sub>R</sub> =0V	_	20	_	pF

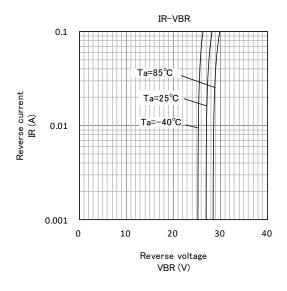
### **GUARANTEED ESD PROTECTION**

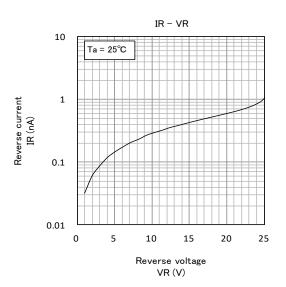
Test condition	ESD protection	Unit	
IEC61000-4-2(Air discharge)	±15	kV	
IEC61000-4-2(Contact discharge)	±8	kV	

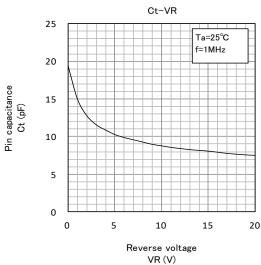
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# TYPICAL CHARACTERISTICS







#### Keep safety first in your circuit designs!

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