

# INTB16VLAC1

FOR CONSTANT VOLTAGE CONTROL  
SILICON EPITAXIAL TYPE

## DESCRIPTION

INTB16VLAC1 is super mini package plastic seal type silicon epitaxial type Zener diode.

Zener voltage:  $V_Z=16V$

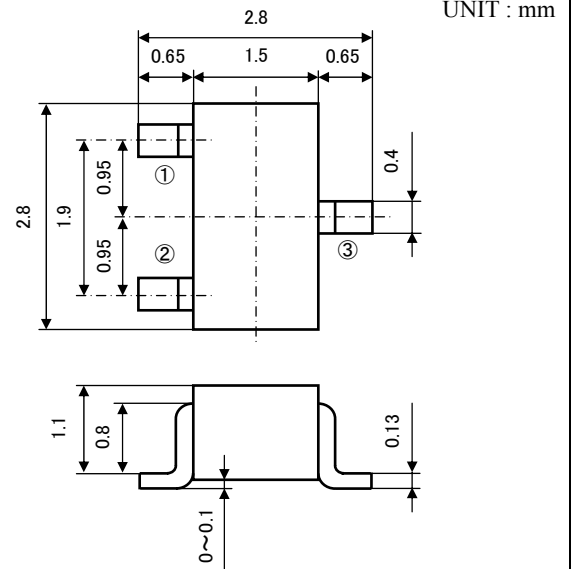
## FEATURE

Possible to high density mounting with small sized package.

## APPLICATION

For constant voltage control

## OUTLINE DRAWING

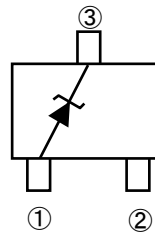


JEITA : SC-59  
JEDEC : —  
TERMINAL CONNECTION  
①: ANODE  
②: NC  
③: CATHODE

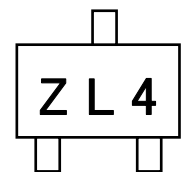
## MAXIMUM RATINGS(Ta=25°C)

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

## INTERNAL CONNECTION



## MARKING



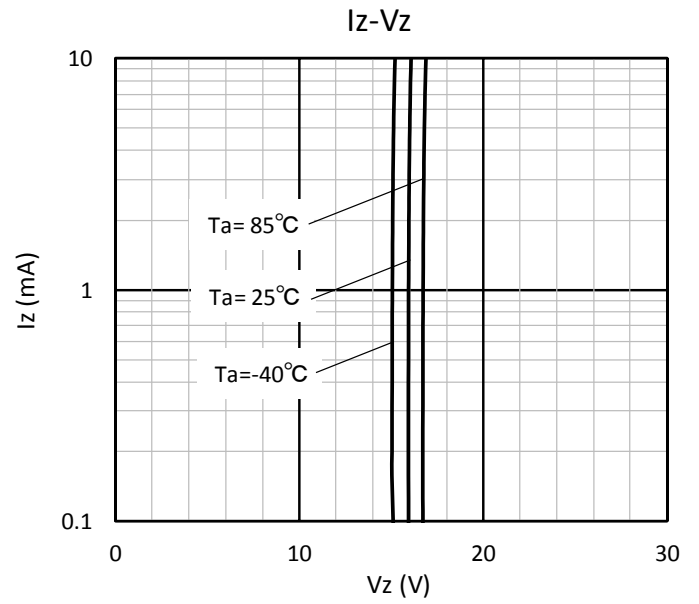
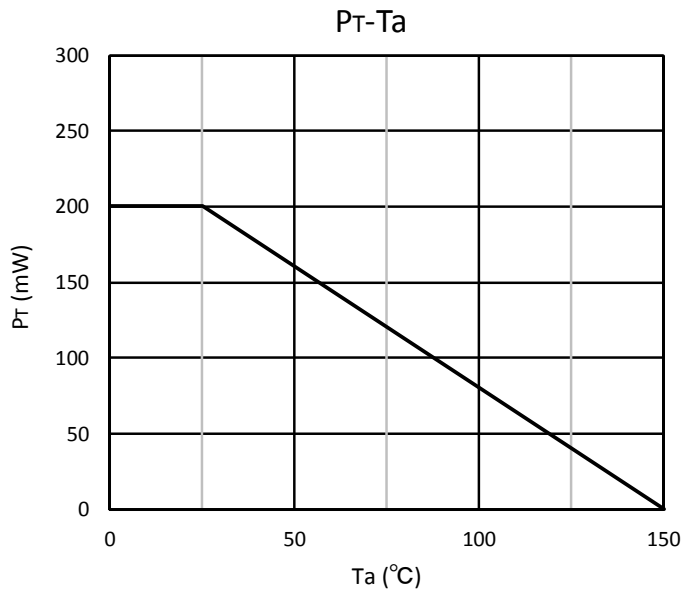
## ELECTRICAL CHARACTERISTICS(Ta=25°C)

Parameter	Symbol	Test conditions	Limits			Unit
			Min	Typ	Max	
Zener voltage	$V_Z$	$I_Z=5mA$	15.1	16.0	16.9	V
Reverse current	$I_R$	$V_R=12V$	-	-	1.0	$\mu A$
Dynamic impedance	$Z_Z$	$I_Z=5mA$	-	-	40	$\Omega$

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## TYPICAL CHARACTERISTICS



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

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