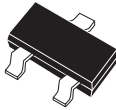


## CBAS17

### LOW VOLTAGE STABISTOR



**SOT-23 CASE**

#### DESCRIPTION:

The CENTRAL SEMICONDUCTOR CBAS17 type is a planar epitaxial silicon switching diode, designed for low voltage stabilizing applications.

**Marking code is A91.**

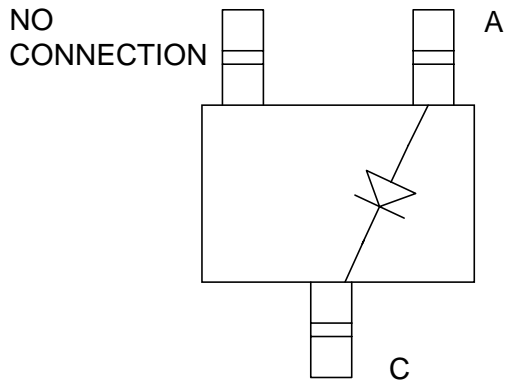
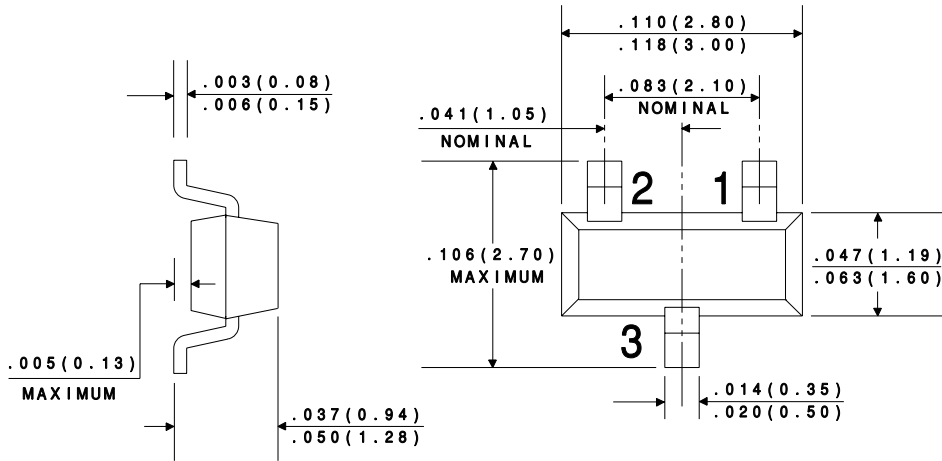
#### MAXIMUM RATINGS (T<sub>A</sub>=25°C)

	SYMBOL		UNITS
Peak Repetitive Forward Current	I <sub>FRM</sub>	250	mA
Power Dissipation	P <sub>D</sub>	350	mW
Operating and Storage			
Junction Temperature	T <sub>J</sub> , T <sub>stg</sub>	-65 to +150	°C
Thermal Resistance	θ <sub>JA</sub>	357	°C/W

#### ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
V <sub>F</sub>	I <sub>F</sub> =0.1mA	.580	.665	.680	V
V <sub>F</sub>	I <sub>F</sub> =1.0mA	.665	.745	.760	V
V <sub>F</sub>	I <sub>F</sub> =5.0mA	.725	.805	.820	V
V <sub>F</sub>	I <sub>F</sub> =10mA	.750	.825	.840	V
V <sub>F</sub>	I <sub>F</sub> =100mA	.870	.920	.960	V
I <sub>R</sub>	V <sub>R</sub> =4.0V			5.0	μA
C <sub>T</sub>	V <sub>R</sub> =0, f=1 MHz			140	pF

All dimensions in inches (mm).





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