

TECHNICAL DATA  
DATA SHEET 5503, REV B  
*Formerly part number – SHD52626*

## FIXED NEGATIVE 15.0 VOLT 1.0 AMP REGULATOR

**FEATURES:**

- ISOLATED HERMETIC PACKAGE
- SIMILAR to INDUSTRY TYPE 7915

**MAXIMUM RATINGS**

All ratings are at  $T_A = 25^\circ\text{C}$  unless otherwise specified.

Parameter	Conditions	Typical	Limit	Units
Input Voltage	-	-	-35	Vdc
Storage Temperature Range	-	-	-65 to +150	$^\circ\text{C}$
Lead Temperature	Soldering, 10 seconds	-	+300	$^\circ\text{C}$
Power Dissipation ( $P_D$ )	$T_C = +25^\circ\text{C}$ $T_A = +25^\circ\text{C}$	-	15	W
		-	3.0	W
Maximum Thermal Resistance Junction to Case ( $\theta_{JC}$ )	-	-	4.2	$^\circ\text{C/W}$
Maximum Thermal Resistance Junction to Ambient ( $\theta_{JA}$ )	-	-	42	$^\circ\text{C/W}$
Maximum Junction Temperature ( $T_J$ )	-	-	150	$^\circ\text{C}$
Ambient Operating Temperature Range ( $T_A$ )	-	-	-55 to +125	$^\circ\text{C}$

**ELECTRICAL CHARACTERISTICS**

Parameter	Conditions	Typical	Limit	Units
Output Voltage ( $V_{OUT}$ )		-15.00	-14.4 -15.6	V V
Line Regulation ( $V_{RLINE}$ )	$V_{IN} = -30\text{V to } -17.5\text{V}$ , 100mA	-	150	mV
Load Regulation ( $V_{RLOAD}$ )	$I_O = 5.0\text{ mA to } 1.5\text{ A}$	-	300	mV
Standby Current Drain ( $I_{SCD}$ )	-	-	8	mA
Standby Current Drain Change w/Line ( $\Delta I_{SCD}$ ) (Line)	$V_{IN} = -30\text{ V to } -17.5\text{ V}$	-	1.0	mA
Standby Current Drain Change w/Load ( $\Delta I_{SCD}$ ) (Load)	$I_O = 5.0\text{ mA to } 1.5\text{ A}$	-	0.5	mA
Dropout Voltage ( $V_{DO}$ )	$I_O = 1.0\text{ A}$	1.3	-	V
Ripple Rejection ( $\Delta V_{IN} / \Delta V_{OUT}$ )	$f_o = 120\text{ kHz}$ , $I_O = 20\text{ mA}$	60	-	dB
Output Noise Voltage ( $N_O$ )	10 Hz - 100kHz	90	-	$\mu\text{V}$

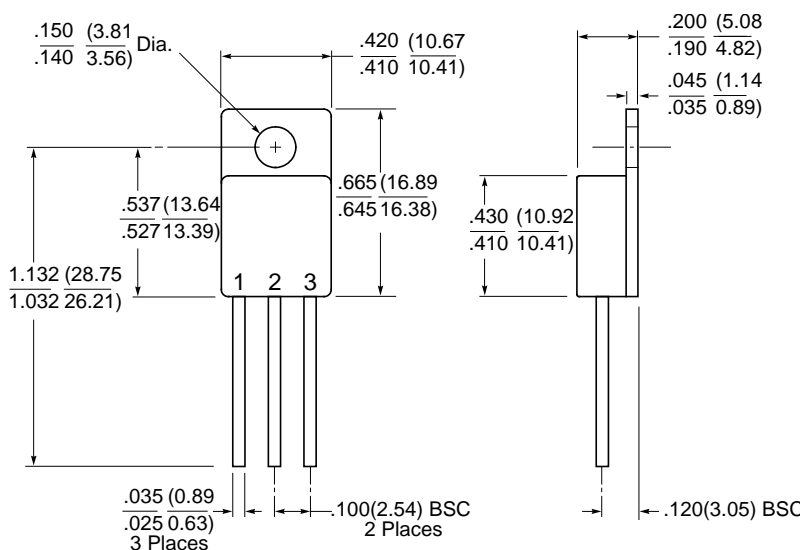
## SENSITRON

## TECHNICAL DATA

## DATA SHEET 5503, REV B

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## MECHANICAL DIMENSIONS

TO-257

## PINOUT TABLE

TYPE	PIN 1	PIN 2	PIN 3
TO - 257, -15V Regulator	GROUND	V <sub>IN</sub>	V <sub>OUT</sub>

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