

TECHNICAL DATA
DATA SHEET 340, REV. D
Formerly part number - SHD52623

FIXED POSITIVE 15.0 VOLT 1.0 AMP REGULATOR

FEATURES:

- ISOLATED HERMETIC PACKAGE
- SIMILAR to INDUSTRY TYPE 7815

MAXIMUM RATINGS

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

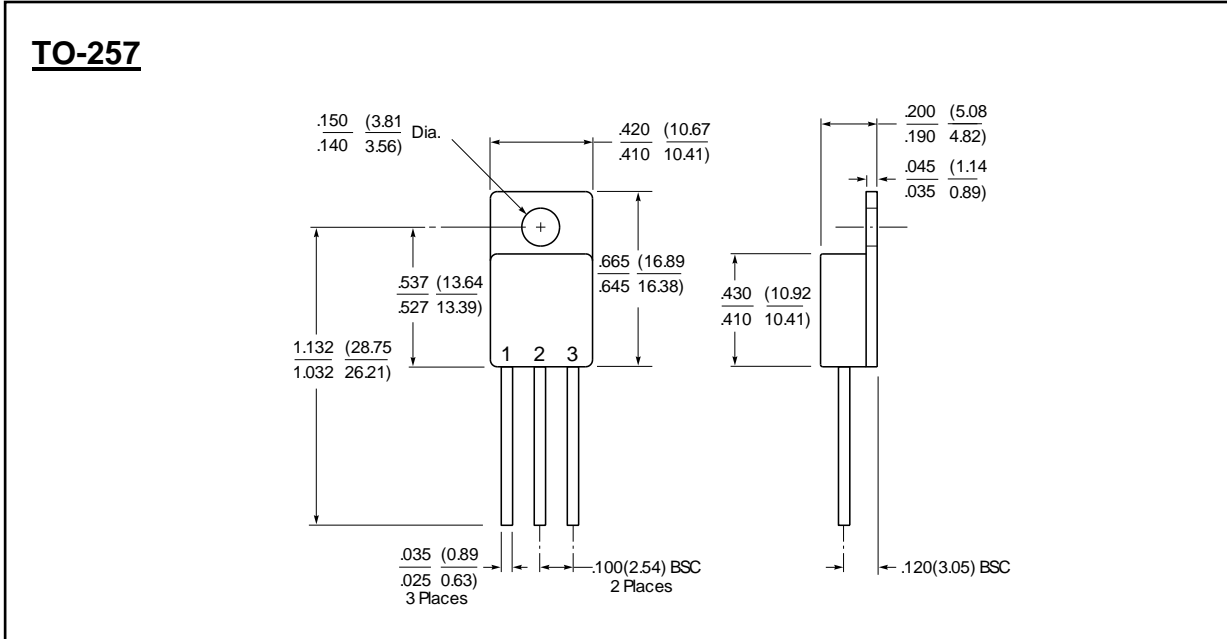
Parameter	Conditions	Typical	Limit	Units
Input Voltage	-	-	35	Vdc
Storage Temperature Range	-	-	-65 to +150	$^\circ\text{C}$
Lead Temperature	Soldering, 10 seconds	-	+300	$^\circ\text{C}$
Power Dissipation (P_D)	$T_C = +25^\circ\text{C}$	-	15	W
	$T_A = +25^\circ\text{C}$	-	3.0	W
Maximum Thermal Resistance Junction to Case (θ_{JC})	-	-	4.2	$^\circ\text{C/W}$
Maximum Thermal Resistance Junction to Ambient (θ_{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})	$V_{IN} = 17.9\text{V to }30\text{V}$, 100mA	-	30	mV
Load Regulation (V_{RLOAD})	$I_O = 5.0\text{ mA to }1.5\text{ A}$	-	55	mV
Standby Current Drain (I_{SCD})	-	-	8	mA
Standby Current Drain Change w/Line (ΔI_{SCD}) (Line)	$V_{IN} = 17.9\text{ V to }30\text{ V}$	-	1.0	mA
Standby Current Drain Change w/Load (ΔI_{SCD}) (Load)	$I_O = 5.0\text{ mA to }1000\text{ mA}$	-	0.5	mA
Dropout Voltage (V_{DO})	$I_O = 1.0\text{A}$	2.0	-	V
Ripple Rejection ($\Delta V_{IN} / \Delta V_{OUT}$)	$f_o = 120\text{ kHz}$, $I_O = 20\text{mA}$	58	-	dB
Output Noise Voltage (N_O)	10 Hz - 100kHz	10	-	$\mu\text{V}/V_O$

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MECHANICAL DIMENSIONS



PINOUT TABLE

TYPE	PIN 1	PIN 2	PIN 3
TO - 257, 15V Regulator	V _{IN}	GROUND	V _{OUT}

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