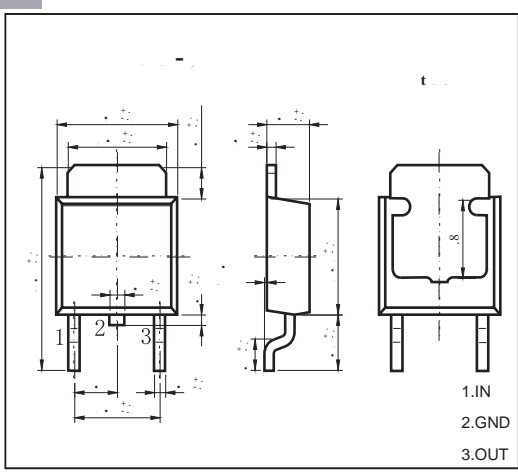




7KUHH WHUPLQDO SRVLWLYH YROWDJH UHJX

)( \$ 785 (6  
 "0D[LPXP RXWSXW FXUUHQW ,20 \$  
 "2XWSXW YROWDJH 92 9  
 "&RQWLQXR XV WRWDO GLVVLSDWLRQ  
 3' : 7 D /  
 0 (& + \$ 1 , & \$ / ' \$ 7 \$  
 "&DVH 72 3ODVWLF 3DFNDJH  
 "3RODULW\ &RORU EDQG GHQRWHV FDKRGRH HQG  
 "ORXQWLQJ 3RVLWLRQ \$Q\

\$ % 62 / 87 ( 0 \$ ; , 080 5 \$ 7 , 1 \* 6



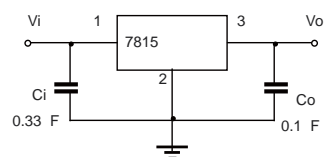
2SHUDWLQJ WHPSHUDWXUH UDQJH DSG SOLHV XQOHVV RWKHUZ LVH VSHFLIL

3 D U D P H W H U	6 \ P E R O	9 D O X H
Input Voltage	$V_i$	V
Thermal Resistance Junction to Case	$R_{JA}$	/W
Operating Junction Temperature Range	$T_{OPR}$	-55 to 150
Storage Temperature Range	$T_{STG}$	-65 to 150

( / ( & 75 , & \$ / & + \$ 5 \$ & 7 ( 5 , 67 , & 6 9 L 9 , R P \$  
 7 - C & L - ) & R - ) XQOHVV RWKHUZLVH VSHFLILHG

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Output voltage	$V_o$	$T_J=25^\circ\text{C}$	14.4	15	15.6	V
		$17.5V \leq V_i \leq 30V, I_o=5mA-1A, P \leq 15W$	14.25	15	15.75	V
Load Regulation	$\Delta V_o$	$T_J=25^\circ\text{C}, I_o=5mA-1.5A$		12	300	mV
		$T_J=25^\circ\text{C}, I_o=250mA-750mA$		3	150	mV
Line regulation	$\Delta V_o$	$17.5V \leq V_i \leq 30V, T_J=25^\circ\text{C}$		12	300	mV
		$20V \leq V_i \leq 26V, T_J=25^\circ\text{C}$		4	150	mV
Quiescent Current	$I_q$	$T_J=25^\circ\text{C}$		4.3	8	mA
Quiescent Current Change	$\Delta I_q$	$17.5V \leq V_i \leq 30V$			1	mA
		$5mA \leq I_o \leq 1A$			0.5	mA
Output voltage drift	$V_o/T$	$I_o=5mA$		-1		mV/°C
Output Noise Voltage	$V_N$	10Hz to 100KHz		90		mV/V <sub>o</sub>
Ripple Rejection	RR	$18.5V \leq V_i \leq 28.5V, f=120Hz, T_J=25^\circ\text{C}$	54	70		dB
Dropout Voltage	$V_d$	$T_J=25^\circ\text{C}, I_o=1A$		2		V
Output resistance	$R_o$	$f=1KHz$		19		mΩ
Short Circuit Current	$I_{sc}$	$T_J=25^\circ\text{C}$		230		mA
Peak Current	$I_{pk}$	$T_J=25^\circ\text{C}$		2.1		A

\* Pulse test.  
 TYPICAL APPLICATION



1RW H % \SDVV FDSDFLWURV DUH UHFDPGH QG DQVBUQRV WHVSRQVH DQGLWKRXOG EH ORFDWHG DV FORVH DV  
 SRVLEOH WR WKH UHJXODWRUV

