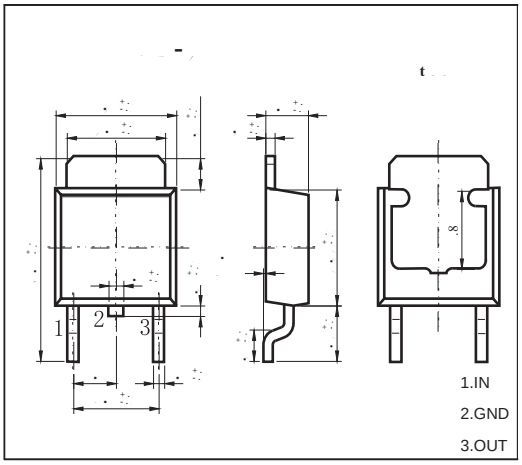
7KUHH WHUPLQDO SRVLWLYH YROWDJH UHJX

)($785(6

"0D[LPXP RXWSXW FXUUHQW ,20 $
"2XWSXW YROWDJH 92 9
"&RQWLQXRXV WRWDO GLVVLSDWLRQ
3' : 7D /

0(&+$1,&$/ '7

"&DVH 72 3ODVWLF 3DFNDJH
"3RODULW\ &RORU EDQG GHQRWHV FDWKRGH HQG
"0RXQWLQJ 3RVLWLRQ $Q\



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

2SHUDWLQJ WHPSHUDWXUH UDQJH DHSGSOLHV XQOHVV RWKHUZLVH VSHFLILHG

3DUDPHWHU		6\PERO	9DOXH
Input Voltage		V_i	V
Thermal 5esistance IURnction WR $PELHQW		R_{JA}	/ /W
Operating Junction Temperature Range		T_{OPR} a125	/
Storage Temperature Range		T_{STG} -65 a 150	/

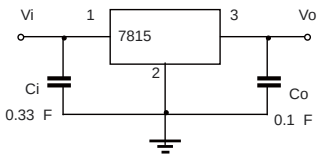
(/(&75,&$/ &+$5$&7(5,67,&6 9L 9 ,R P$

7- ℃ &L —) &R —) XQOHVV RWKHUZLVH VSHFLILHG

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Output voltage	Vo	T_J=25 /	14.4	15	15.6	V
		17.5V "V_i "30V, Io=5mA-1A,P "15W	14.25	15	15.75	V
Load Regulation	¨Vo	T_J=25 / , Io=5mA-1.5A		12	300	mV
		T_J=25 / , Io=250mA-750mA		3	150	mV
Line regulation	¨Vo	17.5V "V_i "30V, T_J=25 /		12	300	mV
		20V "V_i "26V, T_J=25 /		4	150	mV
Quiescent Current	Iq	T_J=25 /		4.3	8	mA
Quiescent Current Change	¨Iq	17.5V "V_i "30V			1	mA
	¨Iq	5mA "I_O "1A			0.5	mA
Output voltage drift	Vo/ T	I_O=5mA		-1		mV/
Output Noise Voltage	V_N	10Hz "f "100KHz		90		V/Vo
Ripple Rejection	RR	18.5V "V_i "28.5V,f=120Hz, T_J=25 /	54	70		dB
Dropout Voltage	Vd	T_J=25 / , Io=1A		2		V
Output resistance	R_O	f=1KHz		19		m
Short Circuit Current	Isc	T_J=25 /		230		mA
Peak Current	Ipk	T_J=25 /		2.1		A

* Pulse test.

TYPICAL APPLICATION



1RWH %\SDVV FDSDFLWRUV DUH UHFRPPHQGHG IRU RSWLPXP WUDQVLHQW UHVSRQVH DQG WKRXOG EH ORFDWHG DV FORVH DV SRVVLEOH WR WKH UHJXODWRUV