



WS7805K

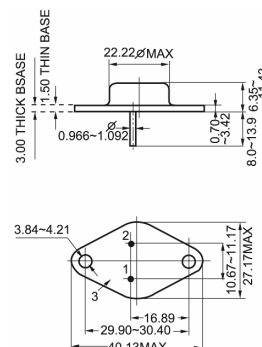
L7800 SERIES REGULATORS

GENERAL DESCRIPTION

The WS7805K three - terminal regulators is available in TO-3 package ,it designed primarily as fixed and adjustable voltage regulators



TO-3



MAXIMUM RATINGS (Tamb =25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V_i	DC input voltage	35	V
P_{tot}	Total power dissipation	15	W
T_{OP}	Operating temperature	-20 to 80	°C
T_{stg}	Storage temperature	-55 to 150	°C

ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V_o	Output voltage	$T_j=25^\circ\text{C}$	4.75	5.0	5.25	V
ΔV_o	Line regulation	$V_i=8\sim 20\text{V}$, $I_o=100\text{mA}$	-	-	100	mV
ΔV_L	Load regulation	$I_o=5\text{mA}\sim 1.5\text{A}$, $V_i=14\text{V}$	-	-	100	mV
V_i	Point voltage		7.5	-	35	V
SVR	Supply voltage rejection	$f=100\text{Hz}$, $V_i=12\text{V}$, $I_o=100\text{mA}$, $V_{ipp}=4\text{V}$	62	-	-	dB
I_{OM}	Output current	$V_i=35\text{V}$, $T_j=25^\circ\text{C}$	-	-	1.5	A
$\Delta V_o/T$	Output voltage drift	$I_o=5\text{mA}$, $T_j=0\sim 125^\circ\text{C}$	-	0.6	-	mV/°C
V_{NO}	Output noise voltage	$f=10\text{Hz to } 100\text{KHz}$	-	-	40	$\mu\text{V}/V_o$