



WS7805K

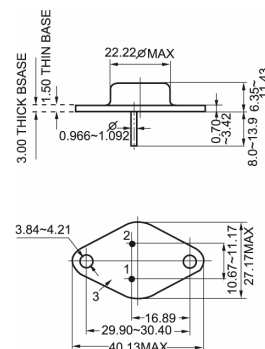
L7800 SERIES REGULATORS

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 (T_{amb} =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°C	4.75	5.0	5.25	V
Δ V _O	Line regulation	V _i =8~20V, I _O =100mA	-	-	100	mV
Δ V _L	Load regulation	I _O =5mA~1.5A, V _i =14V	-	-	100	mV
V _i	Point voltage		7.5	-	35	V
SVR	Supply voltage rejection	f=100Hz, V _i =12V, I _O =100mA, V _{ipp} =4V	62	-	-	dB
I _{OM}	Output current	V _i =35V, T _j =25°C	-	-	1.5	A
Δ V _O /T	Output voltage drift	I _O =5mA, T _j =0~125°C	-	0.6	-	mV/°C
V _{NO}	Output noise voltage	f=10Hz to 100KHz	-	-	40	uV/V _O