

VS79L08 Three-terminal negative voltage regulator

FEATURES

Maximum output current

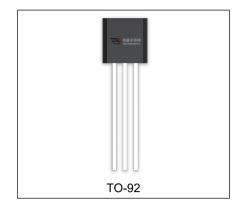
I_{OM:} 0.1A

Output voltage

V_o:-8V

Continuous total dissipation

P_D:0.625 W (T_a= 25 °C)



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
VS79L08	TO-92	Bulk	1000pcs/Bag
VS79L08-TA	TO-92	Таре	2000pcs/Box

ABSOLUTE MAXIMUM RATINGS (Operating temperature range applies unless otherwise specified)

Parameter	Symbol	Value	Unit
Input Voltage	Vi	-30	V
Thermal Resistance from Junction to Ambient	R _{θJA}	200	°C/W
Operating Junction Temperature Range	T _{OPR}	-40~+125	℃
Storage Temperature Range	T _{STG}	-65~+150	$^{\circ}$

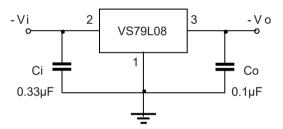


 $\textbf{T}_{a}\textbf{=25} \text{ } \textcircled{c} \text{ unless otherwise specified (VI=-14V, Io=40mA, Ci=0.33 \mu F, Co=0.1 \mu F, unless otherwise specified)}$

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Output Voltage	Vo	T _J =25℃	-7.76	-8.0	-8.24	V
		-10.5V≤V _I ≤-23V, Io=1mA~40mA	-7.6	-8.0	-8.4	V
		lo=1mA~70mA	-7.6	-8.0	-8.4	V
Load Regulation	ΔVο	lo=1mA~100mA ,T _J =25℃		30	100	mV
		lo=1mA~40mA ,T _J =25°C		15	50	mV
Line Regulation	ΔVο	-10.5V≤V _I ≤-23V ,T _J =25°C		42	200	mV
		-11V≤V _I ≤-23V ,T _J =25°C		36	150	mV
Quiescent Current	Iq	T _J =25℃		4	6	mA
Quiescent Current Change	Δlq	-11V≤V _I ≤-23V			1.5	mA
	Δlq	1mA≤I _O ≤40mA			0.1	mA
Output Noise Voltage	V _N	10Hz≤f≤100KHz ,T _J =25°C		54		μV/Vo
Ripple Rejection	RR	-11V≤V _I ≤-21V,f=120Hz	37	46		dB
Dropout Voltage	Vd	T _J =25℃		1.7		V

^{*} Pulse test.

TYPICAL APPLICATION



Note: Bypass capacitors are recommended for optimum stability and transient response and should be located as close as possible to the regulators.



