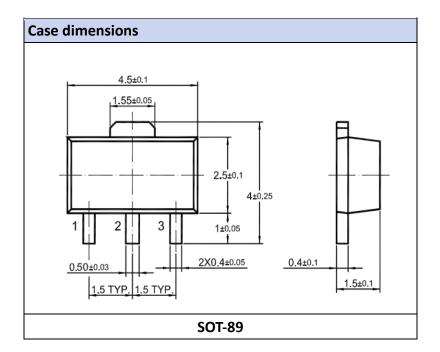


Adjustable Voltage Regulator

Primary characteristics			
Parameter	Value	Unit	
Output voltage	4.8 ~ 5.2	٧	
Output current	100	mA	

Features

- Pb-free and RoHS compliant
- 0.1% line and load regulation voltages
- Complete series of protections:
 Current limiting;
 Thermal shutdown;

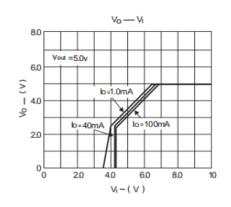


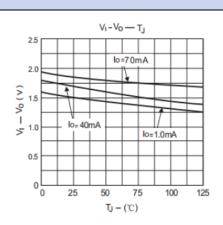
Absolute maximum ratings				
Parameter	Symbol	Rating	Unit	
Input-output voltage differential	V _{IN} -V _{OUT}	30	V	
Output current	lo	100	mA	
Operating temperature	T _{OPR}	-40 ~ +125	°C	
Storage Temperature	T _{STG}	-55 ~ +150	°C	

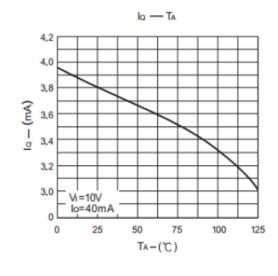


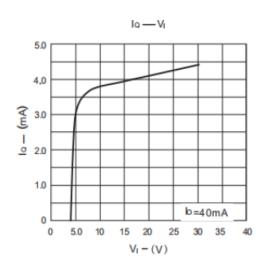
Rating at T _A unless otherwise sp Parameter	Symbol	Test conditions		Min.	Тур.	Max.	Unit
Line regulation	ΔVουτ/Vουτ	7V≤V _{IN} -V _{OUT} ≤20V		-	-	0.04	%/V
Load regulation	ΔV _{OUT}	10mA≤l _{0UT} ≤1.5A; T _J =25°C	V _{о∪т} ≤5V	-	32	150	mV
Ripple rejection	RR	V _i =8V to 18V T _J =25°C f=120Hz		41	49	-	dB
Output noise voltage	eN	F=10Hz ~ 100kHz T _J =25°C		-	42	-	μV
Dropout Voltage	V _D	T _J =25°C		-	1.70	-	V
Quiescent Current	1-	T _J =25°C		-	3.8	6	mA
	lα	T _J =125°C		-	ı	5.5	mA
		V _{I=8V} to 20V		-	-	1.5	mA
Quiescent Current Change		I ₀ = 1mA to 40mA		-	-	0.1	mA

Ratings and characteristic curves











Ordering information			
Part Number	Package	Shipping Quantity	Dimensions
AKS78L05	SOT-89	1000	

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