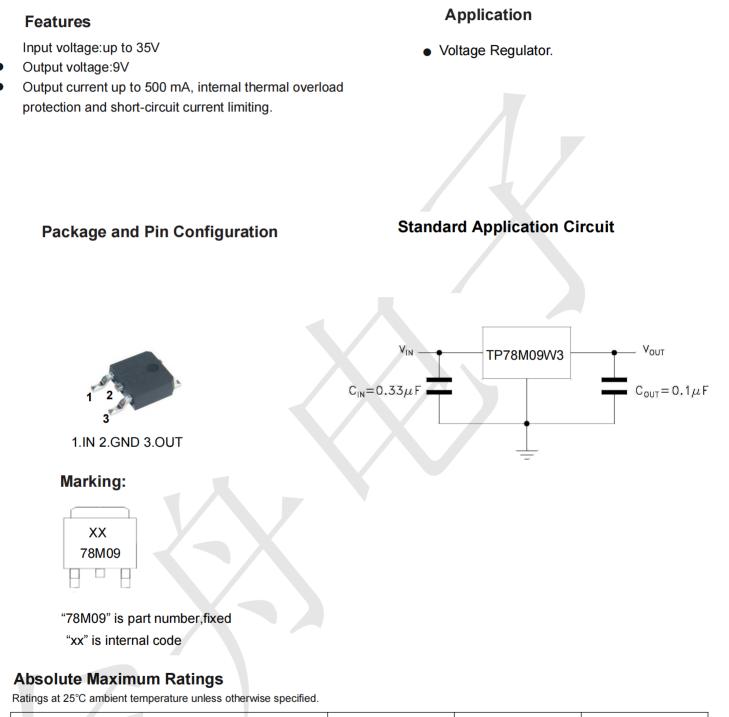


1 Ampere Surface Mount Negative Three Terminal Voltage Regulator

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Parameter	Symbol	Value	Unit
Input Voltage	VI	35	V
Thermal Resistance, Junction-to-Air	R _{θJA}	100	°C/W
Operating Temperature Range	T _{OPR}	-40 to +125	°C
Storage Temperature Range	T _{STG}	-65 to +150	°C



1 Ampere Surface Mount Negative Three Terminal Voltage Regulator

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Electrical Characteristics

Ratings at V_i=15V,I₀=350mA, C_i=0.33 μ F,C₀=0.1 μ F,T_J = 25°C unless otherwise specified.

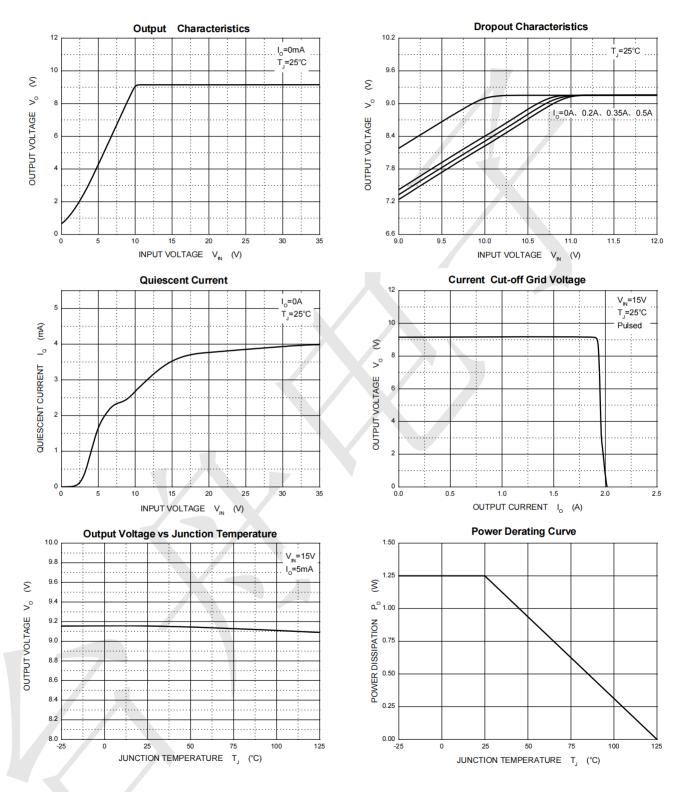
Parameter	Symbol	Test Conditions	Min.	Тур.	Max.	Unit
Output Voltage	Vo		8.65	9	9.35	V
		V _i =11.5V~24V I _o =5mA~350mA	8.55	9	9.45	V
Load Regulation	$ riangle V_o$	I₀=5mA~500mA	-	-	180	mV
		l₀=5mA~200mA		-	90	mV
Line Regulation	∆V₀	V _i =11.5V~25V, I _o =200mA	-	-	180	mV
		V _i =12V~25V, I _o =200mA	-	-	90	mV
Output Noise Voltage	V _N	f=10Hz~100KHz	-	58	-	μV
Ripple Rejection	RR	Vi=13V~23V, f=120Hz, I₀=300mA	56	-	-	dB
Quiescent Current	lq		-	-	6	mA
Quiescent Current Change	∆lq	Vi=11.5V~25V, I₀=200mA	-	-	0.8	mA
		l₀=5mA~350mA	-	-	0.5	mA
Dropout Voltage	VD	I₀=350mA	-	2	-	V
Short Circuit Current	I _{sc}	V _i =35V	-	50	_	mA



1 Ampere Surface Mount Negative Three Terminal Voltage Regulator

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Typical Characteristics

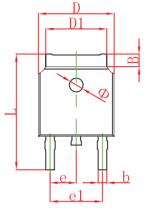


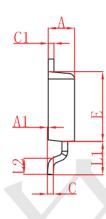


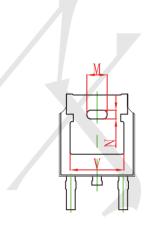
1 Ampere Surface Mount Negative Three Terminal Voltage Regulator

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TO252 Package Information







Symbol	Dimensions In Millimeters		Dimensions In Inches		
	Min.	Max.	Min.	Max.	
А	2.200	2.380	0.087	0.094	
A1	0.000	0.100	0.000	0.004	
В	0.800	1.400	0.031	0.055	
b	0.710	0.810	0.028	0.032	
С	0.460	0.560	0.018	0.022	
c1	0.460	0.560	0.018	0.022	
D	6.500	6.700	0.256	0.264	
D1	5.130	5.460	0.202	0.215	
E	6.000	6.200	0.236	0.244	
е	2.286 TYP.		0.090 TYP.		
e1	4.327	4.727	0.170	0.186	
М	1.778REF.		0.070REF.		
N	0.762REF.		0.018REF.		
L	9.800	10.400	0.386	0.409	
L1	2.9REF.		0.114REF.		
L2	1.400	1.700	0.055	0.067	
V	4.830 REF.		0.190 REF.		
Φ	1.100	1.300	0.043	0.05	



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