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September 2014

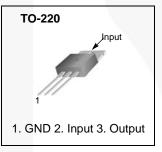
KA79XX / KA79XXA / LM79XX 3-Terminal 1 A Negative Voltage Regulator

Features

- Output Current in Excess of 1 A
- Output Voltages of: -5 V, -6 V, -8 V, -9 V, -12 V, -15 V, -18 V, -24 V
- Internal Thermal Overload Protection
- Short-Circuit Protection
- Output Transistor Safe Operating Area Compensation

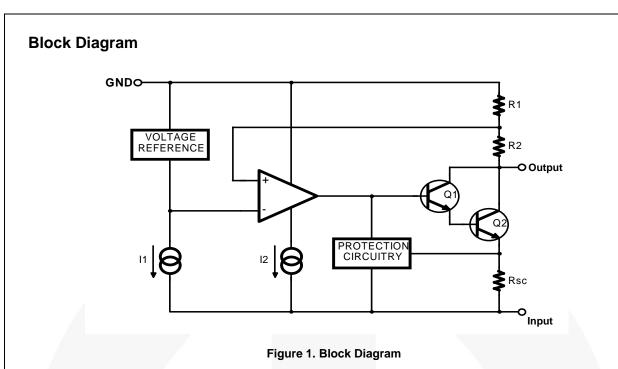
Description

The KA79XX / KA79XXA / LM79XX series of three-terminal negative regulators are available in a TO-220 package with several fixed output voltages, making them useful in a wide range of applications. Each type employs internal current limiting, thermal shutdown, and safe operating area protection.



Product Number	Output Voltage Tolerance	Package	Packing Method	Operating Temperature			
KA7905TU							
KA7906TU							
KA7908TU							
KA7909TU	±4%						
KA7912TU	±4%	TO-220					
KA7915TU	-	(Dual Gauge)					
KA7918TU							
KA7924TU			Rail				
KA7912ATU	±2%			0 to +125°C			
KA7915ATU	±2 %						
LM7905CT							
LM7908CT							
LM7909CT		TO 000					
LM7910CT	±4%	TO-220 (Single Gauge)					
LM7912CT		(enigie eauge)					
LM7915CT							
LM7918CT							

Ordering Information



Absolute Maximum Ratings

Stresses exceeding the absolute maximum ratings may damage the device. The device may not function or be operable above the recommended operating conditions and stressing the parts to these levels is not recommended. In addition, extended exposure to stresses above the recommended operating conditions may affect device reliability. The absolute maximum ratings are stress ratings only. Values are at $T_A = 25^{\circ}$ C unless otherwise noted.

Symbol	Parameter	Value	Unit
VI	Input Voltage	-35	V
$R_{ extsf{ heta}JC}$	Thermal Resistance, Junction-Case ⁽¹⁾	5	°C/W
$R_{ extsf{ heta}JA}$	Thermal Resistance, Junction-Air ^(1, 2)	65	°C/W
T _{OPR}	Operating Temperature Range	0 to +125	°C
T _{STG}	Storage Temperature Range	- 65 to +150	°C

Notes:

1. Thermal resistance test board, size: 76.2 mm x 114.3 mm x 1.6 mm(1S0P), JEDEC standard: JESD51-3, JESD51-7.

2. Assume no ambient airflow.

Electrical Characteristics (KA7905 / LM7905)

(V_I = -10 V, I_O = 500 mA, $0^{\circ}C \le T_J \le +125^{\circ}C$, C_I = 2.2 µF, C_O = 1 µF; unless otherwise specified.)

Symbol	Parameter	Со	nditions	Min.	Тур.	Max.	Unit
		$T_J = +25^{\circ}C$		-4.80	-5.00	-5.20	
V _O	Output Voltage	$I_0 = 5 \text{ mA to 1 A}$ $V_1 = -7 \text{ V to -20 V}$		-4.75	-5.00	-5.25	V
A)/	Line Regulation ⁽³⁾	T - 125°C	V _I = -7 V to -25 V		35	100	m\/
ΔV_{O}		T _J = +25°C	V _I = -8 V to -12 V		8	50	mV
A) /	Load Regulation ⁽³⁾	T _J = +25°C, I _O =	5 mA to 1.5 A		10	100	mV
ΔV_{O}		$T_{\rm J}$ = +25°C, $I_{\rm O}$ = 250 mA to 750 mA			3	50	1117
Ι _Q	Quiescent Current	T _J = +25°C			3	6	mA
41	Quiescent Current	I _O = 5 mA to 1 A			0.05	0.50	
ΔI_Q	Change	$V_{I} = -8 V \text{ to } -25 V$	V		0.10	0.80	mA
$\Delta Vo/\Delta T$	Temperature Coefficient of V_D	l _O = 5 mA			-0.4		mV/°C
V _N	Output Noise Voltage	f = 10 Hz to 100	kHz, T _A = +25°C		40		μV
RR	Ripple Rejection	$f = 120 \text{ Hz}, \Delta V_{ } =$	= 10 V	54	60		dB
VD	Dropout Voltage	T _J = +25°C, I _O =	1 A		2		V
I _{SC}	Short-Circuit Current	$T_{J} = +25^{\circ}C, V_{I} =$	-35 V		300		mA
I _{PK}	Peak Current	T _J = +25°C			2.2		A

Note:

Electrical Characteristics (KA7906)

(V_I = -11 V, I_O = 500 mA, $0^{\circ}C \le T_J \le +125^{\circ}C$, $C_I = 2.2 \ \mu$ F, $C_O = 1 \ \mu$ F; unless otherwise specified.)

Symbol	Parameter	Co	nditions	Min.	Тур.	Max.	Unit
		T _J = +25°C		-5.75	-6.00	-6.25	
Vo	Output Voltage	$I_{O} = 5 \text{ mA to 1 A}$ $V_{I} = -9 \text{ V to -21}$		-5.70	-6.00	-6.30	V
A) /	Line Regulation ⁽⁴⁾	T = 125°C	$V_{I} = -8 V \text{ to } -25 V$		10	120	m\/
ΔV_O		T _J = +25°C	V _I = -9 V to -13 V		5	60	mV
A) /	Load Regulation ⁽⁴⁾	T _J = +25°C, I _O =	= 5 mA to 1.5 A		10	120	m\/
ΔV_O		$T_{\rm J}$ = +25°C, $I_{\rm O}$ = 250 mA to 750 mA			3	60	mV
Ι _Q	Quiescent Current	T _J = +25°C			3	6	mA
A I	Quiescent Current	$I_{O} = 5 \text{ mA to } 1 \text{ A}$	A Contraction of the second seco		0.05	0.50	
ΔI_Q	Change	$V_{I} = -8 V \text{ to } -25$	V		0.10	1.30	mA
ΔVο/ΔΤ	Temperature Coefficient of V_D	l _O = 5 mA			-0.5		mV/°C
V _N	Output Noise Voltage	f = 10 Hz to 100	kHz, T _A =+25°C		130		μV
RR	Ripple Rejection	$f = 120 \text{ Hz}, \Delta V_1$	= 10 V	54	60		dB
VD	Dropout Voltage	T _J = +25°C, I _O =	= 1 A		2		V
I _{SC}	Short-Circuit Current	T _J = +25°C, V _I =	-35 V		300		mA
I _{PK}	Peak Current	T _J = +25°C			2.2		A

Note:

Electrical Characteristics (KA7908 / LM7908)

(V_I = -14 V, I_O = 500 mA, 0°C \leq T_J \leq +125°C, C_I = 2.2 µF, C_O =1 µF; unless otherwise specified.)

Symbol	Parameter	Co	nditions	Min.	Тур.	Max.	Unit
		T _J = +25°C		-7.7	-8.0	-8.3	
V _O	Output Voltage	$I_0 = 5 \text{ mA to 1 A}$ $V_1 = -10 \text{ V to -23}$		-7.6	-8.0	-8.4	V
A) /	Line Regulation ⁽⁵⁾	T = 125°C	$V_{I} = -10.5 \text{ V} \text{ to } -25 \text{ V}$		10	160	m\/
ΔV_O		T _J = +25°C	V _I = -11 V to -17 V		5	80	mV
A) (Load Regulation ⁽⁵⁾	T _J = +25°C, I _O =	5 mA to 1.5 A		12	160	
ΔV_O	Load Regulation ??	$T_{\rm J}$ = +25°C, $I_{\rm O}$ = 250 mA to 750 mA			4	80	mV
Ι _Q	Quiescent Current	T _J = +25°C			3	6	mA
A I	Quiescent Current	I _O = 5 mA to 1 A	۱.		0.05	0.50	A
ΔI_Q	Change	V _I = -10.5 V to -2	25 V	/	0.10	1.00	mA
ΔVο/ΔΤ	Temperature Coefficient of V_D	l _O = 5 mA			-0.6		mV/°C
V _N	Output Noise Voltage	f = 10 Hz to 100	kHz, $T_A = +25^{\circ}C$		175		μV
RR	Ripple Rejection	$f = 120 \text{ Hz}, \Delta V_{\text{I}}$	= 10 V	54	60		dB
VD	Dropout Voltage	T _J = +25°C, I _O =	: 1 A		2		V
I _{SC}	Short-Circuit Current	T _J = +25°C, V _I =	-35 V		300		mA
I _{PK}	Peak Current	T _J = +25°C			2.2		Α

Note:

Electrical Characteristics (KA7909 / LM7909)

(V_I = -15 V, I_O = 500 mA, 0°C \leq T_J \leq +125°C, C_I = 2.2 μ F, C_O =1 μ F; unless otherwise specified.)

Symbol	Parameter	Со	nditions	Min.	Тур.	Max.	Unit
		T _J = +25°C		-8.7	-9.0	-9.3	
V _O	Output Voltage	$I_0 = 5 \text{ mA to 1 A}$ $V_1 = -1.5 \text{ V to -23}$		-8.6	-9.0	-9.4	V
A)/	Line Regulation ⁽⁶⁾	T _{.1} = +25°C	V _I = -11.5 V to -26 V		10	180	mV
ΔV_{O}		$T_{\rm J} = +25$ C	V _I = -12 V to -18 V		5	90	
A) /	Load Regulation ⁽⁶⁾	T _J = +25°C, I _O =	5 mA to 1.5 A		12	180	
ΔV_{O}		$T_{J} = +25^{\circ}C$, $I_{O} = 250$ mA to 750 mA			4	90	mV
Ι _Q	Quiescent Current	$T_J = +25^{\circ}C$			3	6	mA
A.I.	Quiescent Current	$I_0 = 5 \text{ mA to 1 A}$	\		0.05	0.50	
ΔI_Q	Change	V _I = -11.5 V to -2	26 V	1	0.10	1.00	mA
ΔVο/ΔΤ	Temperature Coefficient of V_D	l _O = 5 mA			-0.6		mV/°C
V _N	Output Noise Voltage	f = 10 Hz to 100	kHz, $T_A = +25^{\circ}C$		175		μV
RR	Ripple Rejection	$f = 120 \text{ Hz}, \Delta V_{ } =$	= 10 V	54	60		dB
VD	Dropout Voltage	T _J = +25°C, I _O =	: 1 A		2		V
I _{SC}	Short-Circuit Current	$T_{J} = +25^{\circ}C, V_{I} =$	-35 V		300		mA
I _{PK}	Peak Current	T _J = +25°C			2.2		А

Note:

Electrical Characteristics (LM7910)

(V_I = -17 V, I_O = 500 mA, 0°C \leq T_J \leq +125°C, C_I = 2.2 μ F, C_O =1 μ F; unless otherwise specified.)

Symbol	Parameter	Со	nditions	Min.	Тур.	Max.	Unit
		T _J = +25°C		-9.6	-10.0	-10.4	
Vo	Output Voltage	$I_{O} = 5 \text{ mA to } 1\text{A},$ $V_{I} = -12 \text{ V to } -28$		-9.5	-10.0	-10.5	V
A)/	ΔV_{O} Line Regulation ⁽⁷⁾ $T_{J} = +25^{\circ}C$ $V_{I} = -12$	$V_{I} = -12.5 \text{ V to } -28 \text{ V}$		12	200	mV	
ΔV_O		T _J = +25°C	$V_{I} = -14 \text{ V to } -20 \text{ V}$		6	100	mv
		T _J = +25°C, I _O = 5 mA to 1.5	$T_{J} = +25^{\circ}C,$ $I_{O} = 5 \text{ mA to } 1.5 \text{ A}$		12	200	m) (
ΔV_{O}	Load Regulation 7	T _J = +25°C, I _O = 250 mA to 7	T _J = +25°C, I _O = 250 mA to 750 mA		4	100	mV
Ι _Q	Quiescent Current	T _J = +25°C			3	6	mA
A 1	Quiescent Current	$I_{O} = 5 \text{ mA to 1 A}$			0.05	0.50	
Δl _Q	Change	$V_{\rm I} = -12.5 \text{ V to } -2$	28 V		0.10	1.00	mA
ΔVο/ΔΤ	Temperature Coefficient of V_O	l _O = 5 mA			-1		mV/°C
V _N	Output Noise Voltage	$10 \text{ Hz} \le f \le 100 \text{ Hz}$	<hz, t<sub="">A = +25°C</hz,>		280		μV
RR	Ripple Rejection	$f = 120 \text{ Hz}, \Delta V_{ } =$	= 10 V	54	60		dB
V _D	Dropout Voltage	T _J = +25°C, I _O =	1 A		2		V
I _{SC}	Short-Circuit Current	T _J = +25°C, V _I =	-35 V		300		mA
I _{PK}	Peak Current	T _J = +25°C			2.2		Α

Note:

Electrical Characteristics (KA7912 / LM7912)

(V_I = -19 V, I_O = 500 mA, 0°C \leq T_J \leq +125°C, C_I = 2.2 µF, C_O = 1 µF; unless otherwise specified.)

Symbol	Parameter	C	onditions	Min.	Тур.	Max.	Unit	
		$T_J = +25^{\circ}C$		-11.5	-12.0	-12.5		
V _O	Output Voltage	$I_{O} = 5 \text{ mA to } 1$ $V_{I} = -15.5 \text{ V to}$		-11.4	-12.0	-12.6	V	
A) /	Line Regulation ⁽⁸⁾	T _{.1} = +25°C	$V_{I} = -14.5 \text{ V to } -30 \text{ V}$		12	240		
ΔV_{O}		$T_{\rm J} = +25^{\circ}{\rm C}$	$V_{I} = -16$ V to -22 V		6	120	mV	
A) (Load Regulation ⁽⁸⁾	$T_J = +25^{\circ}C, I_C$	= 5 mA to 1.5 A		12	240		
ΔV_{O}		$T_J = +25^{\circ}C, I_O = 250 \text{ mA to } 750 \text{ mA}$			4	120	mV	
Ι _Q	Quiescent Current	$T_J = +25^{\circ}C$			3	6	mA	
41	Quiescent Current	I _O = 5 mA to 1	A		0.05	0.50	~^^	
ΔI_Q	Change	V _I = -14.5 V to	9-30 V		0.10	1.00	mA	
ΔVο/ΔΤ	Temperature Coefficient of V_D	I _O = 5 mA			-0.8		mV/°C	
V _N	Output Noise Voltage	f = 10 Hz to 10	00 kHz, T _A = +25°C		200		μV	
RR	Ripple Rejection	f = 120 Hz, ∆\	′ _I = 10 V	54	60		dB	
VD	Dropout Voltage	T _J = +25°C, I _C	₀ = 1 A		2		V	
I _{SC}	Short-Circuit Current	T _J = +25°C, V	I = -35 V		300		mA	
I _{PK}	Peak Current	T _J = +25°C			2.2		Α	

Note:

Electrical Characteristics (KA7915 / LM7915)

(V_I = -23 V, I_O = 500 mA, 0°C \leq T_J \leq +125°C, C_I = 2.2 μ F, C_O = 1 μ F; unless otherwise specified.)

Symbol	Parameter	C	onditions	Min.	Тур.	Max.	Unit	
		$T_J = +25^{\circ}C$		-14.40	-15.00	-15.60		
V _O	Output Voltage	$I_{O} = 5 \text{ mA to } 1$ $V_{I} = -18 \text{ V to } -$	A, P _O ≤15 W 30 V	-14.25	-15.00	-15.75	V	
417	Line Regulation ⁽⁹⁾	T _{.1} = +25°C	$V_{I} = -17.5 \text{ V to } -30 \text{ V}$		12	300	m\/	
ΔV_O		$T_{\rm J} = +25$ C	$V_{I} = -20$ V to -26 V		6	150	mV	
	Lead Deculation ⁽⁹⁾	$T_{J} = +25^{\circ}C, I_{C}$	= 5 mA to 1.5 A		12	300	m)/	
ΔV_{O}	Load Regulation ⁽⁹⁾	$T_{J} = +25^{\circ}C$, $I_{O} = 250$ mA to 750 mA			4	150	mV	
Ι _Q	Quiescent Current	$T_J = +25^{\circ}C$			3	6	mA	
41	Quiescent Current	I _O = 5 mA to 1	A		0.05	0.50	~^	
ΔI_Q	Change	V _I = -17.5 V to	o -30 V		0.10	1.00	mA	
ΔVο/ΔΤ	Temperature Coefficient of V_D	I _O = 5 mA			-0.9		mV/∘C	
V _N	Output Noise Voltage	f = 10 Hz to 10	00 kHz, T _A = +25°C		250		μV	
RR	Ripple Rejection	f = 120 Hz, ∆\	/ _I = 10 V	54	60		dB	
VD	Dropout Voltage	T _J = +25°C, I _C) = 1 A		2		V	
I _{SC}	Short-Circuit Current	T _J = +25°C, V	_I = -35 V		300		mA	
I _{PK}	Peak Current	T _J = +25°C			2.2		А	

Note:

Electrical Characteristics (KA7918 / LM7918)

(V_I = -27 V, I_O = 500 mA, 0°C \leq T_J \leq +125°C, C_I = 2.2 µF, C_O =1 µF, unless otherwise specified.)

Symbol	Parameter	Со	nditions	Min.	Тур.	Max.	Unit
		T _J = +25°C		-17.3	-18.0	-18.7	
V _O	Output Voltage	$I_{O} = 5 \text{ mA to 1 A}$ $V_{I} = -22.5 \text{ V to -3}$		-17.1	-18.0	-18.9	V
A) /	Line Regulation ⁽¹⁰⁾	T 125%C	V _I = -21 V to -33 V		15	360	mV
ΔV_{O}	Line Regulation	T _J = +25°C	$V_{I} = -24 \text{ V to } -30 \text{ V}$		8	180	mv
A \ /	Load Degulation (10)	T _J = +25°C, I _O =	5 mA to 1.5 A		15	360	360 mV
ΔV_O	Load Regulation ⁽¹⁰⁾	$T_{\rm J}$ = +25°C, $I_{\rm O}$ = 250 mA to 750 mA			5	180	mv
Ι _Q	Quiescent Current	T _J = +25°C			3	6	mA
A.I.	Quiescent Current	$I_{O} = 5 \text{ mA to } 1 \text{ A}$			0.05	0.50	
ΔI_Q	Change	$V_{I} = -21 \text{ V to } -33$	s V		0.10	1.00	mA
ΔVο/ΔΤ	Temperature Coefficient of V_D	l _O = 5 mA			-1		mV/°C
V _N	Output Noise Voltage	f = 10 Hz to 100	kHz, $T_A = +25^{\circ}C$		300		μV
RR	Ripple Rejection	$f = 120 \text{ Hz}, \Delta V_{ } =$	= 10 V	54	60		dB
VD	Dropout Voltage	T _J = +25°C, I _O =	: 1 A		2		V
I _{SC}	Short-Circuit Current	$T_{J} = +25^{\circ}C, V_{I} =$	-35 V		300		mA
I _{PK}	Peak Current	T _J = +25°C			2.2		А

Note:

Electrical Characteristics (KA7924)

(V_I = -33 V, I_O = 500 mA, 0°C \leq T_J \leq +125°C, C_I = 2.2 µF, C_O = 1 µF; unless otherwise specified.)

Symbol	Parameter	Co	nditions	Min.	Тур.	Max.	Unit
		T _J = +25°C		-23.0	-24.0	-25.0	
V _O	Output Voltage	$I_{O} = 5 \text{ mA to 1 A}$ $V_{I} = -27 \text{ V to } -38$		-22.8	-24.0	-25.2	V
A) /	Line Regulation ⁽¹¹⁾	T 125%C	V _I = -27 V to -38 V		15	480	m)/
ΔV_O		T _J = +25°C	$V_{\rm I} = -30 \text{ V to } -36 \text{ V}$		8	180	mV
A) /	Load Regulation ⁽¹¹⁾	T _J = +25°C, I _O =	5 mA to 1.5 A		15	480	
ΔV_O	Load Regulation	$T_{\rm J}$ = +25°C, $I_{\rm O}$ = 250 mA to 750 mA			5	240	mV
Ι _Q	Quiescent Current	T _J = +25°C			3	6	mA
41	Quiescent Current	$I_{O} = 5 \text{ mA to } 1 \text{ A}$	1		0.05	0.50	
ΔI_Q	Change	$V_{\rm I} = -27 \text{ V to } -38$	3 V		0.10	1.00	mA
$\Delta Vo/\Delta T$	Temperature Coefficient of V_D	l _O = 5 mA			-1		mV/°C
V _N	Output Noise Voltage	f = 10 Hz to 100	kHz, $T_A = +25^{\circ}C$		400		μV
RR	Ripple Rejection	$f = 120 \text{ Hz}, \Delta V_1 =$	= 10 V	54	60		dB
VD	Dropout Voltage	T _J = +25°C, I _O =	= 1 A		2		V
I _{SC}	Short-Circuit Current	T _J = +25°C, V _I =	-35 V		300		mA
I _{PK}	Peak Current	T _J = +25°C			2.2		Α

Note:

Note:

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(V_I = -19 V, I_O = 500 mA, 0°C \leq T_J \leq +125°C, C_I = 2.2 µF, C_O =1 µF; unless otherwise specified.)

Symbol	Parameter	Conditions		Min.	Тур.	Max.	Unit
	Output Voltage	$T_J = +25^{\circ}C$		-11.75	-12.00	-12.25	V
Vo		$I_O = 5 \text{ mA to } 1 \text{ A}, P_O \le 15 \text{ W},$ $V_I = -15.5 \text{ V to } -27 \text{ V}$		-11.50	-12.00	-12.50	
ΔV _O	Line Regulation ⁽¹²⁾	T _J = +25°C	$V_{I} = -14.5 \text{ V to } -27 \text{ V},$ Io = 1 A		12	120	mV
			V_{I} = -16 V to -22 V, lo = 1 A		6	60	
		V _I = -14.8 V to -30 V			12	120	
		V _I = -16 V to -22 V, Io = 1 A			12	120	
ΔV_{O}	Load Regulation ⁽¹²⁾	$T_J = +25^{\circ}C$, $I_O = 5$ mA to 1.5 A			12	150	- mV
		T_{J} = +25°C, I_{O} = 250 mA to 750 mA			4 7	75	
Ι _Q	Quiescent Current	$T_J = +25^{\circ}C$			3	6	mA
ΔI_Q	Quiescent Current Change	$I_{O} = 5 \text{ mA to 1 A}$			0.05	0.50	mA
		V _I = -15 V to -30 V			0.10	1.00	
$\Delta Vo/\Delta T$	Temperature Coefficient of V_D	I _O = 5 mA			-0.8		mV/°C
V _N	Output Noise Voltage	f = 10 Hz to 100 kHz, $T_A = +25^{\circ}C$			200		μV
RR	Ripple Rejection	f = 120 Hz, ΔV _I = 10 V		54	60		dB
V _D	Dropout Voltage	$T_{\rm J} = +25^{\circ} {\rm C}, \ {\rm I}_{\rm O} = 1 {\rm A}$			2		V
I _{SC}	Short-Circuit Current	$T_{\rm J} = +25^{\circ}$ C, $V_{\rm I} = -35$ V			300		mA
I _{PK}	Peak Current	T _J = +25°C			2.2		А

12. Load and line regulation are specified at constant junction temperature. Changes in V_O due to heating effects must

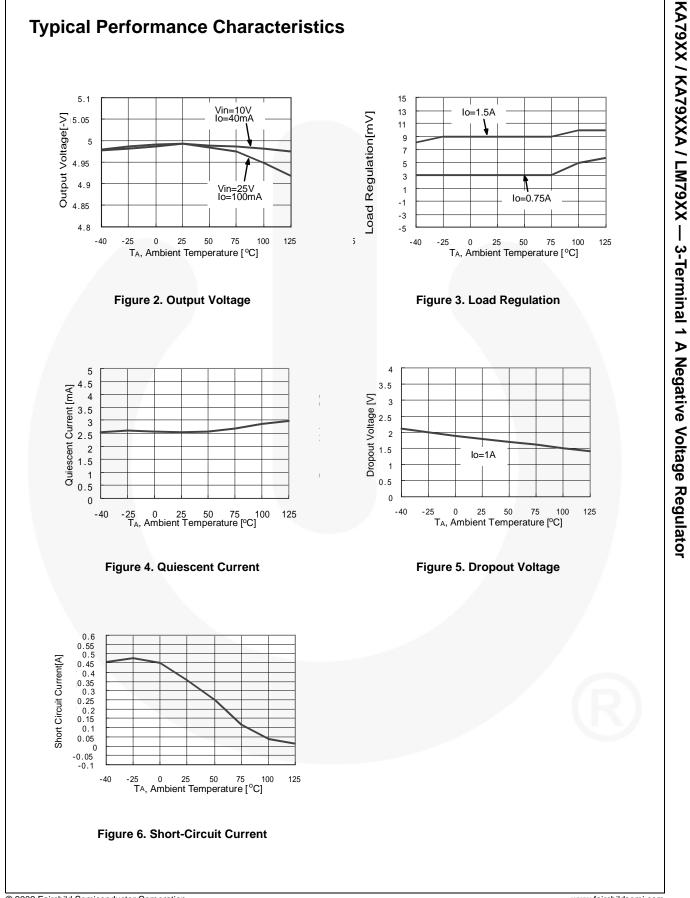
be taken into account separately. Pulse testing with low duty is used.

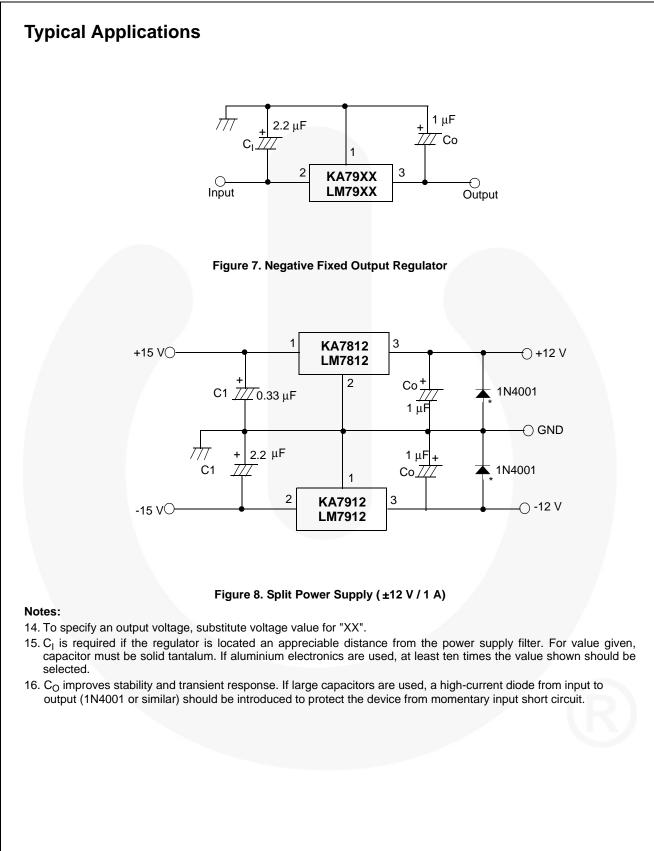
Electrical Characteristics (KA7915A)

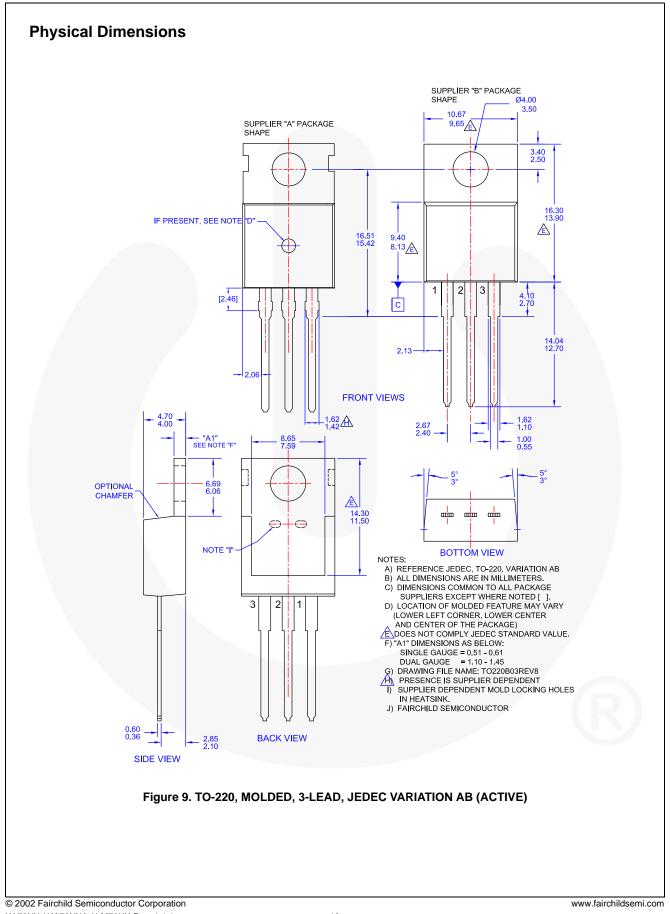
(V_I = -23 V, I_O = 500 mA, 0°C \leq T_J \leq +125°C, C_I = 2.2 µF, C_O = 1 µF; unless otherwise specified.)

Symbol	Parameter	Conditions		Min.	Тур.	Max.	Unit
	Output Voltage	$T_J = +25^{\circ}C$		-14.7	-15.0	-15.3	V
V _O		$I_O = 5 \text{ mA to 1 A}, P_O \le 15 \text{ W},$ $V_I = -18 \text{ V to } -30 \text{ V}$		-14.4	-15.0	-15.6	
ΔV _O	Line Regulation ⁽¹³⁾	T _J = +25°C	$V_{I} = -17.5 V \text{ to } -30 V,$ Io = 1 A		12	150	mV
			$V_{I} = -20 V \text{ to } -26 V,$ Io = 1 A		6	75	
		V _I = -17.9 V to -30 V			12	150	-
		V _I = -20 V to -26 V, Io = 1 A			6	150	
ΔV_{O}	Load Regulation ⁽¹³⁾	$T_J = +25^{\circ}C$, $I_O = 5$ mA to 1.5 A		1	12	150	— mV
		$T_J = +25^{\circ}C$, $I_O = 250$ mA to 750 mA			4	75	
Ι _Q	Quiescent Current	$T_J = +25^{\circ}C$			3	6	mA
Δl _Q	Quiescent Current Change	$I_{O} = 5 \text{ mA to } 1 \text{ A}$			0.05	0.50	m ^
		V _I = -18.5 V to -3	30 V		0.10	1.00	mA
ΔVο/ΔΤ	Temperature Coefficient of V_D	I _O = 5 mA			-0.9		mV/°C
V _N	Output Noise Voltage	f = 10 Hz to 100 kHz, $T_A = +25^{\circ}C$			250		μV
RR	Ripple Rejection	f = 120 Hz, ΔV _I = 10 V		54	60		dB
VD	Dropout Voltage	$T_{\rm J} = +25^{\circ} {\rm C}, \ {\rm I}_{\rm O} = 1 {\rm A}$			2		V
I _{SC}	Short-Circuit Current	$T_{\rm J} = +25^{\circ}{\rm C}, \ V_{\rm I} = -35 \ {\rm V}$			300		mA
I _{PK}	Peak Current	T _{.1} = +25°C			2.2		Α

Note:







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