


The **LTC<sup>®</sup>1150** data sheet has been modified from Rev A to Rev B. The changes are highlighted below in **bold**. For full specifications and application circuits, please refer to the **LTC1150** data sheet.

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## ABSOLUTE MAXIMUM RATINGS

Total Supply Voltage ( $V^+$  to  $V^-$ ) ..... **32V**  
Burn-In Voltage ..... **32V**

## ELECTRICAL CHARACTERISTICS

$V_S = \pm 15V$ , Pin 1 Open,  $T_A$  = Operating Temperature Range, unless otherwise specified.

PARAMETER	CONDITIONS		LTC1150M			LTC1150C			UNITS
			MIN	TYP	MAX	MIN	TYP	MAX	
Input Offset Voltage	$T_A = 25^\circ C$ (Note 3)			$\pm 0.5$	<b><math>\pm 10</math></b>		$\pm 0.5$	<b><math>\pm 10</math></b>	$\mu V$
Input Bias Current	$T_A = 25^\circ C$			$\pm 10$	$\pm 50$		$\pm 10$	$\pm 100$	pA
		●			$\pm 2.5$			<b><math>\pm 1.0</math></b>	nA
Large-Signal Voltage Gain	$R_L = 10k$ , $V_{OUT} = \pm 10V$	●	<b>135</b>	180		<b>135</b>	180		dB
Supply Current	No Load, $T_A = 25^\circ C$			0.8	<b>1.5</b>		0.8	1.5	mA
	No load, Pin 1 = $V^-$ , $T_A = 25^\circ C$			0.2			0.2		mA
	No Load	●			<b>2</b>			<b>2</b>	mA

$V_S = 5V$ , Pin 1 Open,  $T_A$  = Operating Temperature Range, unless otherwise specified.

PARAMETER	CONDITIONS		LTC1150M			LTC1150C			UNITS
			MIN	TYP	MAX	MIN	TYP	MAX	
Input Offset Voltage	$T_A = 25^\circ C$ (Note 3)			$\pm 0.5$	<b><math>\pm 10</math></b>		$\pm 0.05$	<b><math>\pm 10</math></b>	$\mu V$
Input Offset Current	$T_A = 25^\circ C$			$\pm 10$	<b><math>\pm 60</math></b>		$\pm 10$	$\pm 60$	pA
	Over Temperature Specification Has Been Deleted								
Input Bias Current	$T_A = 25^\circ C$			$\pm 5$	<b><math>\pm 30</math></b>		$\pm 5$	$\pm 30$	pA
	Over Temperature Specification Has Been Deleted								
Common Mode Rejection Ratio	$V_{CM} = 0V$ to $2.7V$	●	<b>106</b>	<b>130</b>		<b>106</b>	<b>130</b>		dB
Power Supply Rejection Ratio	$V_S = \pm 2.375$ to $\pm 16V$	●	<b>120</b>	145		<b>120</b>	145		dB
Large-Signal Voltage Gain	$R_L = 10k$ , $V_{OUT} = 0.3V$ to $4.5V$	●	<b>115</b>	180		<b>115</b>	180		dB

For further information regarding this specification notice contact:

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