


September 1998

The following versions of the **LT[®]1222** are now available in the industrial temperature range (–40°C to 85°C) as indicated in **bold**. For complete specifications, typical performance characteristics and applications information, please see the **LT1222** data sheet.

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ABSOLUTE MAXIMUM RATINGS

(Note 1)

Operating Temperature Range

LT1222C –40°C to 85°C

LT1222I **–40°C to 85°C**

LT1222M –55°C to 125°C

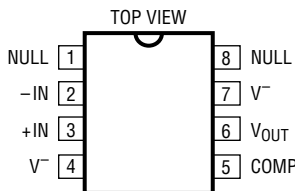
Specified Temperature Range

LT1222C (Note 3) 0°C to 70°C

LT1222I **–40°C to 85°C**

LT1222M –55°C to 125°C

PACKAGE/ORDER INFORMATION

<p>TOP VIEW</p>  <p>J8 PACKAGE 8-LEAD CERDIP</p> <p>N8 PACKAGE 8-LEAD PDIP</p> <p>S8 PACKAGE 8-LEAD PLASTIC SO</p> <p>T_{JMAX} = 175°C, θ_{JA} = 100°C/W (J) T_{JMAX} = 150°C, θ_{JA} = 130°C/W (N) T_{JMAX} = 150°C, θ_{JA} = 190°C/W (S)</p>	ORDER PART NUMBER
	<p>LT1222CN8 LT1222CS8 LT1222IS8 LT1222MJ88</p>
	S8 PART MARKING
<p>1222 1222I</p>	

ELECTRICAL CHARACTERISTICS

V_S = ±15V, –55°C ≤ T_A ≤ 125°C for LT1222M, –40°C ≤ T_A ≤ 85°C for LT1222I, V_{CM} = 0V, unless otherwise specified.

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNITS
V _{OS}	Input Offset Voltage	(Note 3)	●	100	600	μV
	Input V _{OS} Drift			5		μV/°C
I _{OS}	Input Offset Current		●	100	800	nA
I _B	Input Bias Current		●	98	120	dB
PSRR	Power Supply Rejection Ratio	V _S = ±5V to ±15V	●	98	110	dB
A _{VOL}	Large-Signal Voltage Gain	V _{OUT} = ±10V, R _L = 500Ω	●	50	200	V/mV
V _{OUT}	Output Swing	R _L = 500Ω	●	10	13	±V
		R _L = 1k	●	12	13	±V
I _{OUT}	Output Current	V _{OUT} = ±10V	●	20	26	mA
		V _{OUT} = ±12V	●	12	13	mA
SR	Slew Rate	(Note 4)	●	110	200	V/μS
I _S	Supply Current		●	8	11	mA

SPECIFICATION NOTICE

ELECTRICAL CHARACTERISTICS

The ● denotes specifications which apply over the full temperature range.

Note 1: Absolute Maximum Ratings are those values beyond which the life of a device may be impaired.

Note 2: The LT1222C are guaranteed to meet specified performance from 0°C to 70°C and are designed, characterized and expected to meet

these extended temperature limits, but are not tested at -40°C and 85°C. the LT1222I are guaranteed to meet the extended temperature limits.

For further information regarding this specification notice contact:

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