

The industrial temperature range of the **LTC[®]1522** in SO-8, the **LTC1522IS8**, has the same limits as its commercial temperature range version, the **LTC1522CS8**. The specifications are shown below in **bold**. For complete specifications, typical performance characteristics and applications information, please see the **LTC1522** data sheet.

LT, LTC and LT are registered trademarks of Linear Technology Corporation.

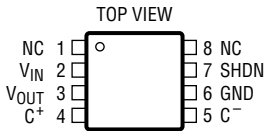
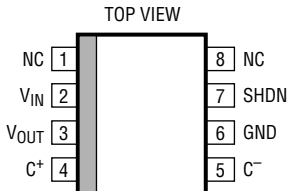
ABSOLUTE MAXIMUM RATINGS

(Note 1)

V_{IN} to GND -0.3V to 6V
 V_{OUT} to GND -0.3V to 6V
 SHDN to GND -0.3V to 6V
 V_{OUT} Short-Circuit Duration Indefinite
Industrial Temperature Range -40°C to 85°C

Commercial Temperature Range 0°C to 70°C
 Extended Commercial Operating
 Temperature Range (**Note 2**) -40°C to 85°C
 Storage Temperature Range -65°C to 150°C
 Lead Temperature (Soldering, 10 sec) 300°C

PACKAGE/ORDER INFORMATION

 <p>MS8 PACKAGE 8-LEAD PLASTIC MSOP</p> <p>$T_{JMAX} = 125^{\circ}\text{C}$, $\theta_{JA} = 160^{\circ}\text{C/W}$</p>	ORDER PART NUMBER	 <p>S8 PACKAGE 8-LEAD PLASTIC SO</p> <p>$T_{JMAX} = 125^{\circ}\text{C}$, $\theta_{JA} = 150^{\circ}\text{C/W}$</p>	ORDER PART NUMBER
	LTC1522CMS8		LTC1522CS8
	MS8 PART MARKING		LTC1522IS8
	LTCG		S8 PART MARKING
			1522
			1522I

Consult factory for Military grade parts.

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

Note 2: The LTC1522C is guaranteed to meet specified performance from 0°C to 70°C and is designed, characterized and expected to meet these extended temperature limits, but is not tested at -40°C and 85°C. The LTC1522I is guaranteed to meet the extended temperature limits.

For further information regarding this specification notice contact:

Linear Technology Corporation
 1630 McCarthy Blvd.
 Milpitas, California 95035-7417
 Attn: Product Marketing Manager
 Phone: (408) 432-1900