


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.

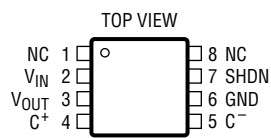
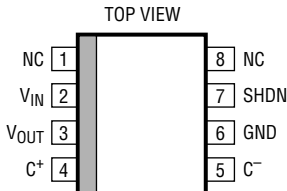
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ABSOLUTE MAXIMUM RATINGS

(Note 1)

V_{IN} to GND	-0.3V to 6V	Commercial Temperature Range	0°C to 70°C
V_{OUT} to GND	-0.3V to 6V	Extended Commercial Operating	
SHDN to GND	-0.3V to 6V	Temperature Range (Note 2)	-40°C to 85°C
V_{OUT} Short-Circuit Duration	Indefinite	Storage Temperature Range	-65°C to 150°C
Industrial Temperature Range	-40°C to 85°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 LTC1522IS8
	MS8 PART MARKING		S8 PART MARKING
	LTCG		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.

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