

## Product Overview

### NCP781: Linear Voltage Regulator, 150 V, 100 mA

For complete documentation, see the data sheet.

The NCP781 is a very high-voltage tolerant linear regulator that offers the benefits of thermally enhanced DFN6 3.3 x 3.3 package and is able to withstand continuous DC or transient input voltages up to 150 V. The device is stable with small 0.1 uF Ceramic Output Capacitors which allows smaller PCB design at space constraining applications. The device features enable pin compatibility with standard CMOS logic.

### Features

- Wide Input Voltage Range: 6 V to 150 V
- $\pm 2.5\%$  Accuracy at Room Temperature
- Very Low Quiescent Current of Typ. 25  $\mu$ A

### Applications

- Led Lighting
- Bias Power Supplies
- Industrial Equipment

### Part Electrical Specifications

Product	Compliance	Status	Output	Polarity	V <sub>O</sub> (V)	I <sub>O</sub> Typ (A)	V <sub>I</sub> Min (V)	V <sub>I</sub> Max (V)	V <sub>DO</sub> Typ (V)	I <sub>q</sub> Typ (mA)	PSRR (dB)	Noise ( $\mu$ V <sub>rms</sub> )	Enable	Power Good	Package Type
NCP781BMN033TAG	Pb-free Halide free	Active	Single	Positive	3.3	0.1	6	150	6.5	27	75	260	Yes	No	DFN-6
NCP781BMN050TAG	Pb-free Halide free	Active	Single	Positive	5	0.1	6	150	7	27	65	300	Yes	No	DFN-6
NCP781BMN150TAG	Pb-free Halide free	Active	Single	Positive	15	0.1	6	150	9.5	27	53	530	Yes	No	DFN-6
NCP781BMNADJTAG	Pb-free Halide free	Active	Single	Positive	1.25 - 15	0.1	6	150	6.5 - 9.5	27	53	130	Yes	No	DFN-6

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