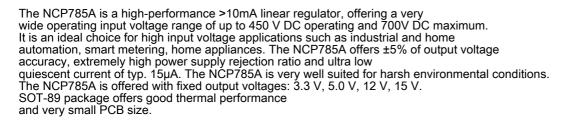


# **Product Overview**

## NCP785A: Linear Regulator, Ultra-Wide Input Voltage Range, 450 V, 10 mA

For complete documentation, see the data sheet.





Operating Input Voltage: Up to 450 VDC

• PSRR: 80 dB at 120 Hz

Quiescent Current: 15µA Typical

· SOT89 Package

## **Applications**

- · Industrial, Home Automation, White Goods, Lighting
- Low-Power MCU Applications Power Supply
- Smaller Size, No-Load Efficient replacement for Capacitive Dropper

### **Benefits**

- · Allows for direct AC mains connection
- · Effectively reduces the input ripple
- · Greatly reduces the no-load power consumption
- · Ideally suited for space constrained applications

### **End Products**

- Circuit Breakers
- · Smoke Sensors
- · Home Appliances
- · Smart Meters

Part Electrical Specifications															
Product	Compliance	Status	Output	Polarit y	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 (µV <sub>rms</sub> )	Enable	Power Good	Packa ge Type
NCP785AH120T1G	Pb-free Halide free	Active	Single	Positiv e	12	0.01	25	700		0.016	80	250	No	No	SOT- 89-3
NCP785AH150T1G	Pb-free Halide free	Active	Single	Positiv e	15	0.01	25	700		0.018	80	250	No	No	SOT- 89-3
NCP785AH33T1G	Pb-free Halide free	Active	Single	Positiv e	3.3	0.01	25	700		0.08	80	250	No	No	SOT- 89-3
NCP785AH50T1G	Pb-free	Active	Single	Positiv e	5	0.01	25	700		0.015	80	250	No	No	SOT- 89-3

For more information please contact your local sales support at www.onsemi.com.

Created on: 11/6/2017

