

Product Overview

NCP1581: Synchronous Buck Controller, High Frequency, PWM, for Tracking Applications

For complete documentation, see the data sheet.

The NCP1581 Synchronous Buck Controller IC is designed to provide a simple synchronous buck regulator for on-board DC-DC applications in a 14-pin SOIC. The NCP1581 is designed specifically for tracking applications by providing the track input.

The NCP1581 operates at a fixed internal 400 kHz switching frequency allowing the use of small external components. The device features a programmable soft start set by an external capacitor, under-voltage lockout and output under-voltage detection that latches off the device when an output short is detected.

Part Electrical Specifications

Product	Compliance	Status	Topology	Phases	Control Mode	V _{CC} Min (V)	V _{CC} Max (V)	f _{SW} Typ (kHz)	Package Type
NCP1581DR2G	Pb-free Halide free	Active	Step-Down	1	Voltage Mode	7	20	400	SOIC-14

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

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