



Inductor Toroidal

019-6329-00R

Features:

- High DC Current Bias Capability
- Swinging Inductance Ideal for Switchmode Output Power Inductors
- Low radiated Field Due to Closed Magnetic Path
- 130 Degree C Rise (ambient plus rise)
- UL94V-0 Header
- Vertical Design for Smaller Through Hole Inductor PC Footprint
- RoHS Compliant

General Information

Analog Devices has partnered with Precision Inc (in supplying magnetics) featuring the ADP1043A. The ADP1043A is a secondary side power supply controller IC designed to provide all the functions that are typically needed in an ac-to-dc or isolated dc-to-dc control application.

The ADP1043A is optimized for minimal component count, maximum flexibility, and minimum design time. Features include remote voltage sense, local voltage sense, primary and secondary side current sense, pulse-width modulation (PWM) generation, and hot-swap sense and control. The control loop is digital with an integrated programmable digital filter. Protection features include current limiting, ac sense, undervoltage lockout (UVLO), and overvoltage protection (OVP).

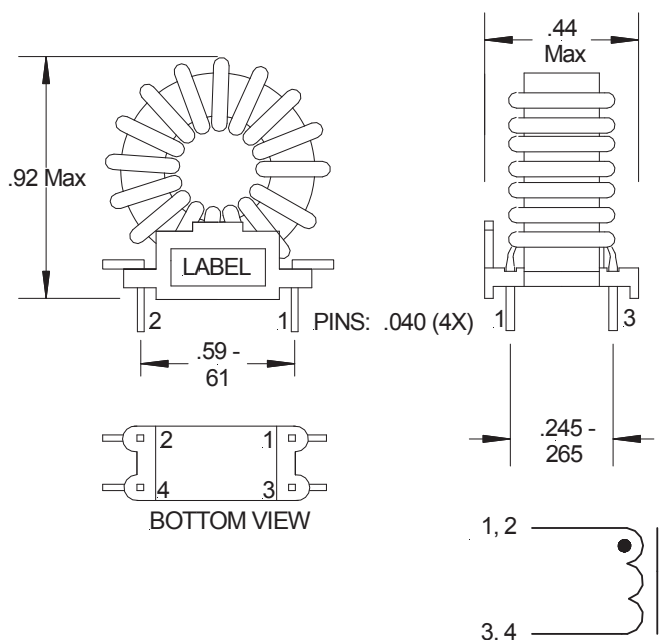
The supply provides isolated full bridge topology operating at 100KHz switching frequency. Its output is rated at deliver 12V, 9A with an input ranging from 36-60VDC.

Applications

- AC-to-DC power supplies
- Isolated dc-to-dc power supplies
- Redundant power supplies
- Parallel power supplies
- Server, storage, network, and communications
- infrastructure

Reference: <http://www.analog.com/en/power-management/digital-power-management/adp1043a/products/product.html>

Electrical



Electrical Specifications at +20°C unless noted otherwise

Parameters	Value	Notes
Inductance (μH)	9-11	(1,2) - (3,4) 10 kHz, .1 V
DCR (Ω)	.005 Max	(1,2) - (3,4)

- Specifications subject to change without notice.
- Pin 1 Indicated by dot on label or parts.
- Label shown is only for illustrative purposes only.

