



RED243x Series 高效, 高PF, 无频闪 LLC 芯片

- Zero Flicker LED Driver ICs with Thermal Foldback
- For ultra-compact, high efficiency, flicker free AC/DC LED drivers



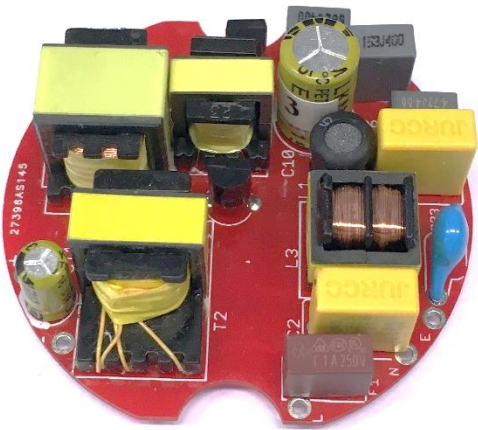
RED243x is optimized for our patented resonant converters with bipolar transistors that deliver superior efficiency and EMI performance compared to flyback or buck converters. RED243x features a new PSR control scheme that reduces the LED driver output current ripple to less than 0.3% and is stable during the IEC/TR 61547-1-2017 mains transient test. LED drivers with RED243x can survive the 85°C / 85% HAST test. RED243x offers component cost savings over previous generations and is pin compatible with RED240x and RED241x series.

	RED2431	RED2432	RED242x
Package	SOT23-6	SOT23-6	SOT23-6
Power	<25W	<45W	<40W
Efficiency	>90%	>90%	>90%
P.F.	>0.95	>0.95	>0.95
Flicker	<0.3%	<0.3%	<1%
LED driver T _a	85°C survival	85°C survival	50°C shutdown



RED243x Round LED drivers

- Production Ready Reference designs
- Visit www.redisem.com for further information



Range of 10-40W round LED drivers with RED2431 and RED2432 controller ICs. Designed to withstand high T_a when the driver is mounted inside LED lamps. Key features:

- T_a 60°C without potting compound
- T_a 85°C survival with Thermal Foldback
- Smallest size
- Efficiency >90%
- Flicker-free
- SELV isolation
- 220-240V~ with 320V~ survival

RED243x Panel LED drivers

- Production Ready Reference designs
- Visit www.redisem.com for further information

Range of 10-42W compact LED drivers with RED2431 and RED2432 controller ICs for flicker-free panel lighting and CoB applications.

- >90% efficiency
- <0.3% current ripple
- T_a 85°C survival
- 220-240V~ with 320V~ survival
- No common-mode (CM) choke
- Lowest cost & Smallest size

