EDSNEV- 10W, non-isolated LM3445 evaluation board optimized for small solution size

(ACTIVE) LM3445-EDSNEV

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Key Document

- AN-2061 LM3445 A19 Edison Retrofit Evaluation Board (Rev. C) (PDF 780 KB)
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Description

The evaluation board included in this shipment converts 85VAC to 135VAC input and drives five to thirteen series connected LED`s at the currents listed in the Evaluation Board Operating Conditions section. This is a two-layer board using the bottom and top layer for component placement. The board is surrounded by a larger area allowing for extra test points and connectors for ease of evaluation. The actual board size is contained inside the larger outer area and can be cut out for the smallest size possible. The evaluation board can be modified to adjust the LED forward current and the number of series connected LEDs. The topology used for this evaluation board eliminates the need for passive power factor correction and results in high efficiency and power factor with minimal component count which results in a size that can fit in a standard A19 Edison socket. This board will also operate correctly and dim smoothly using most standard triac dimmers. Output current is regulated within 15% of nominal from circuit to circuit and over line voltage variation.

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead-Free	RoHS	HI-V (>50VRMS/75 VDC)
LM3445-EDSNEV/NOPB: EDSNEV- 10W, non-isolated LM3445 evaluation board optimized for small solution size	$79.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	Yes	Yes	Yes

Contact a Distributor Texas Go

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Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views	TI Recommends
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