



Overview



BCR402W 12V LED BOARD

Description:

12V BCR402W demoboard driving 3 x 0.2W LEDs in series

BCR402W Constant-Current LED Driver IC in 12V & 24V Low-Current (10 – 60mA) “Striplight” Applications offers significant advantages over resistor biasing of LED’s.

Summary of Features:

- Homogenous light output in different LED strings
- Easy to implement with low component count
- No sense resistor required for common currents like 10mA/20mA
- Flexibility to adjust the current by external resistor from 10mA up to 60mA
- Negative thermal coefficient protecting lifetime of LEDs

Target Applications:

- Channel Letter Lighting
- Illumination of refrigerators and freezers
- Retail displays
- Under-counter
- Architectural lighting

Technical Documentation

Documents

Title	Updates	Size	Date	Version
Application Notes				

Title	Updates	Size	Date	Version
AN101 - Using Infineon's BCR400 Family of Constant-Current, Linear-Mode LED Drivers for Lighting Applications from 10 mA - 700mA		1.7 MB	14 Apr 2009	
AN182 - Comparison of Resistor Biasing versus BCR401W / BCR402W LED Driver Biasing of +12V & +24V DC Low-Current LED Striplights		3.2 MB	16 Feb 2010	1.0

Parametrics

BCR402W 12V LED BOARD		
Package Name --	Totally lead-free no	Halo-free no
ROHS no	Packing Size 1	Packing Type CONTAINER
Budgetary Price €/1K -	Type Evaluation Board	V _S (max) -
I _{out} (typ) -	P _{tot} (max) -	I _{out} (max) -
V _S (min) -	V _{drop} (typ) -	d(I _{out}) / I _{out} (typ) -
PWM Inputs -		

Presentation & Brochures

Documents

Title	Updates	Size	Date	Version
Product Brochure				
General Lighting Brochure	NEW	4.1 MB	25 Mar 2014	1.0

Buy

Sales Product Name	OPN	Product Status	Budgetary Price €/1K	Order online	Package Name	Totally lead-free	Halo - free	RoHS	Packing Size	Packing Type
BCR402W 12V LED BOARD	BCR402W12VLEDBOARDTOBO1	on request			--	no	no	no	1	CONTAINER