

LANE-C SERIES

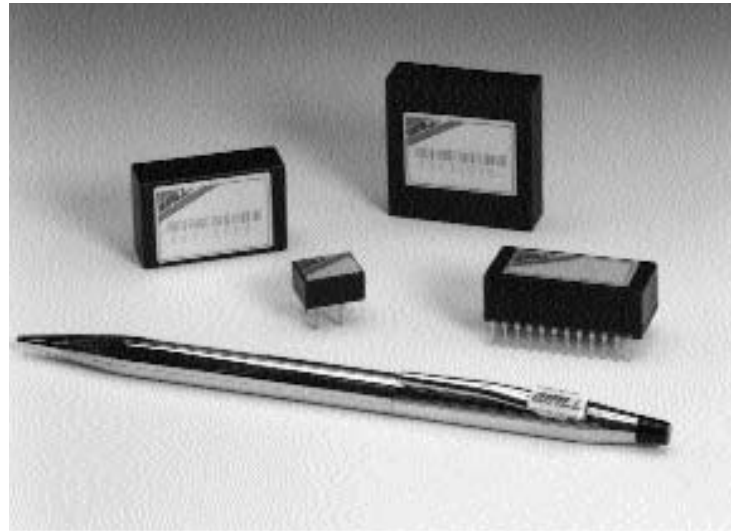
Single Output, to 1 Watt

dc/dc converters



Features

- ultra miniature 7 pin SIP
- 1000VDC I/O isolation
- fully regulated



Overview

The LANE-"C" Series is a miniature, isolated and regulated series of DC/DC converters. These have input operation of 5V, 12V, 24V and 48V and outputs of 5V, 9V, 12V, and 15V delivering 1 watt of power. This series is specifically designed for use with Flash PROM devices providing the required stability for the programming voltage. A control pin is provided to reduce the output voltage to a low level, 1.2VDC, to program Flash PROMs.

Specifications

All specifications apply at 25°C unless otherwise noted.

input	input voltage range	5,12,15,24VDC
	input voltage tolerance	±5% tolerance
output	output current	see table
	voltage tolerance	±5%(nominal line, 100% load)
	line regulation (HL-LL)	1% of V_{in}
	load regulation (10-100% load)	1% of V_{in}
	ripple/noise (20MHz BW)	60mV p-p
general	efficiency (5V out)	45% min.
	efficiency (9,12,15V out)	55% min.
	isolation voltage (input to output)	1000VDC
	isolation resistance (input to output)	
	switching frequency	20kHz (min.)
environmental	operating temperature	0 to +71°C
	storage temperature	-25 to 100°C
physical	dimensions	0.765 x 0.235 x 0.37"

due to advances in technology, specifications subject to change without notice.

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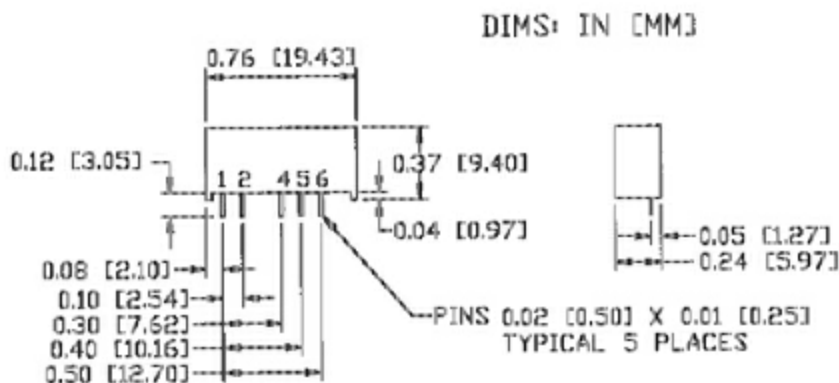


Models

part number	input (VDC)	output (VDC)	output current
LANE505RC	5	5	100
LANE509RC	5	9	100
LANE512RC	5	12	83
LANE515RC	5	15	67
LANE1205RC	12	5	100
LANE1209RC	12	9	100
LANE1212RC	12	12	83
LANE1215RC	12	15	67
LANE1505RC	15	5	100
LANE1509RC	15	9	100
LANE1512RC	15	12	83
LANE1515RC	15	15	67
LANE2405RC	24	5	100
LANE2409RC	24	9	100
LANE2412RC	24	12	83
LANE2415RC	24	15	67
LANE4805RC	48	5	100
LANE4809RC	48	9	100
LANE4812RC	48	12	83
LANE4815RC	48	15	67

Notes

- 1) All case and pin-to-case dimensions reference only unless otherwise noted
- 2) For 24Vin and 48Vin, width is 0.30"



Pinouts

pin	designation
1	+ Vin
2	- Vin
4	- Vout
5	Control
6	+ Vout