

SERIES LPD SINGLE - 75 WATTS - INPUT 200-380 VDC

PICO PART NUMBER	INPUT VOLTAGE RANGE (VDC)	OUTPUT VOLTAGE DC	MAX. OUTPUT POWER (W)	EFF. @ FULL LOAD TYPICAL (%)	MAX LOAD REGULATION (%) **		MAX LINE REGULATION AT FULL LOAD (%)		OUTPUT VOLTAGE RIPPLE FULL LOAD 1-1 MHz BW (MVP-P)	OUTPUT VOLTAGE TOLERANCE (±%)**	PRICE 1-24
					10-50%	50-100%	200-300V	300-380V			
LPD3.3S	200-380	3.3	30	73	1.5	1.5	1	1	50	2	129.00
LPD5S	200-380	5	50	80	1.25	1.25	1	1	50	1.5	129.00
LPD5.2S	200-380	5.2	50	80	1.25	1.25	1	1	50	1.5	129.00
LPD9S	200-380	9	65	84	1.25	1.25	0.75	0.75	50	1	129.00
LPD12S	200-380	12	75	84	1	1	0.75	0.75	50	1	129.00
LPD15S	200-380	15	75	84	1	1	0.75	0.75	50	1	129.00
LPD24S	200-380	24	75	85	0.75	0.75	0.5	0.5	50	0.5	129.00
LPD28S	200-380	28	75	86	0.5	0.5	0.5	0.5	50	0.5	129.00
LPD48S	200-380	48	75	85	0.5	0.5	0.5	0.5	50	0.5	129.00
LPD100S	200-380	100	75	85	0.5	0.5	0.5	0.5	100	0.5	193.50

10% Minimum load required at all times

*Using proper thermal management maximum temp of + 85°C (case)

**Reading taken at nominal 300 VDC input

SERIES LPD DUAL - 75 WATTS - INPUT 200-380 VDC

PICO PART NUMBER	INPUT VOLTAGE RANGE (VDC)	OUTPUT VOLTAGE DC	MAX. OUTPUT POWER (W)	EFF. @ FULL LOAD TYPICAL (%)	MAX LOAD REGULATION (%) **		MAX LINE REGULATION AT FULL LOAD (%)		OUTPUT VOLTAGE RIPPLE FULL LOAD 1-1 MHz BW (MVP-P)	OUTPUT VOLTAGE TOLERANCE (±%)**	PRICE 1-24
					10-50%	50-100%	200-300V	300-380V			
LPD5D	200-380	5	50	80	1.25	1.25	1	1	50	1.5	174.00
LPD9D	200-380	9	65	84	1.25	1.25	0.75	0.75	50	1	174.00
LPD12D	200-380	12	75	84	1	1	0.75	0.75	50	1	174.00
LPD15D	200-380	15	75	84	1	1	0.5	0.5	50	1	174.00
LPD24D	200-380	24	75	85	0.75	0.75	0.5	0.5	50	0.5	174.00
LPD28D	200-380	28	75	86	0.5	0.5	0.5	0.5	50	0.5	174.00
LPD48D	200-380	48	75	85	0.5	0.5	0.5	0.5	50	0.5	174.00

10% Minimum load required at all times

*Using proper thermal management maximum temp of + 85°C (case)

**Reading taken at nominal 300 VDC input

†HIGH VOLTAGE SERIES LPD TO 250 VDC - 50 WATTS - INPUT 200-380 VDC

PICO PART NUMBER	INPUT VOLTAGE (VDC)	OUTPUT VOLTAGE DC	MAX. OUTPUT POWER (W)*	EFF. @ FULL LOAD TYPICAL (%)**	MAX LOAD REGULATION (%) **		MAX LINE REGULATION AT FULL LOAD (%)		OUTPUT VOLTAGE RIPPLE FULL LOAD 1-1 MHz BW (%)	OUTPUT VOLTAGE TOLERANCE (±%)**	PRICE
					20-50%	50-100%	200-300V	300-380V			
LPD125S	200-380	125	50	85	0.5	0.5	0.3	0.3	1	0.5	193.50
LPD150S	200-380	150	50	85	0.5	0.5	0.3	0.3	1	0.5	193.50
LPD175S	200-380	175	50	85	0.5	0.5	0.3	0.3	1	0.5	193.50
LPD200S	200-380	200	50	85	0.5	0.5	0.3	0.3	1	0.5	258.00
LPD225S	200-380	225	50	85	0.5	0.5	0.3	0.3	1	0.5	258.00
LPD250S	200-380	250	50	85	0.5	0.5	0.3	0.3	1	0.5	258.00

*Using proper thermal management maximum temp of + 85°C (case)

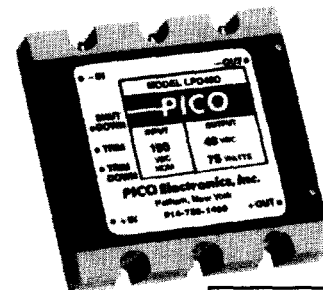
10% Minimum load required at all times.

† UL approval pending.

**Reading taken at nominal 300VDC input

SERIES LPD 3.3 to 250 VDC Outputs Available Isolated Regulated 75 Watts DC-DC Converters Wide Input Range 200-380 V DC Short Circuit Protected ‡ Parallel Operation

The new PICO LPD Series of high power DC-DC Converters allow a wide input voltage of 200-380 VDC, while maintaining a regulated output. They are fully safeguarded for over voltage, over temperature and continuous short circuit protection. The availability of Dual Isolated Outputs, small size, and the capability of parallel operations as standard features should reduce your design and component costs, while the fixed frequency operation helps parallel connections for higher power requirements. This high-density unit is assembled in the USA with PICO quality and component selection, allowing it to meet the most stringent commercial requirements.



Patented

‡Parallel
Operation

Consult factory to
optimize for your
application

FEATURES:

- Dual isolated outputs
- Short circuit protection
- Thermal, over temp. shutdown
- Line regulation
- Load regulation
- No external components required
- Hi density, hi efficiency design
- Remote shutdown
- Trim capabilities
- Fixed frequency-100 KHz

TYPICAL CHARACTERISTICS:

Frequency: 100 KHz

Base plate: Max. +85° C

Operating Temp.: See thermal chart,
Min. 0° C ambient, Max. + 85° C base
plate temp.

Test conditions: 25° C ambient

Isolation Base Input: 2121 VDC

Isolation Input output: 4242 VDC

Isolation Output to Base: 1000 VDC

Storage Temp.: - 55° C to +105° C

For All Variations Call Factory

Fixed
Frequency

Dual Isolated Outputs
Special Voltage
Combinations Available

Application Notes
page 138
Mechanical
Configuration
page 140

23 Standard
Models

Full thermal analysis can be determined using application notes on page 138. By using the efficiency and thermal resistance of your desired unit to the formula you can complete your evaluation. The curves below were generated for Part #LPD12S using Application Notes. Please consult factory with any questions.

