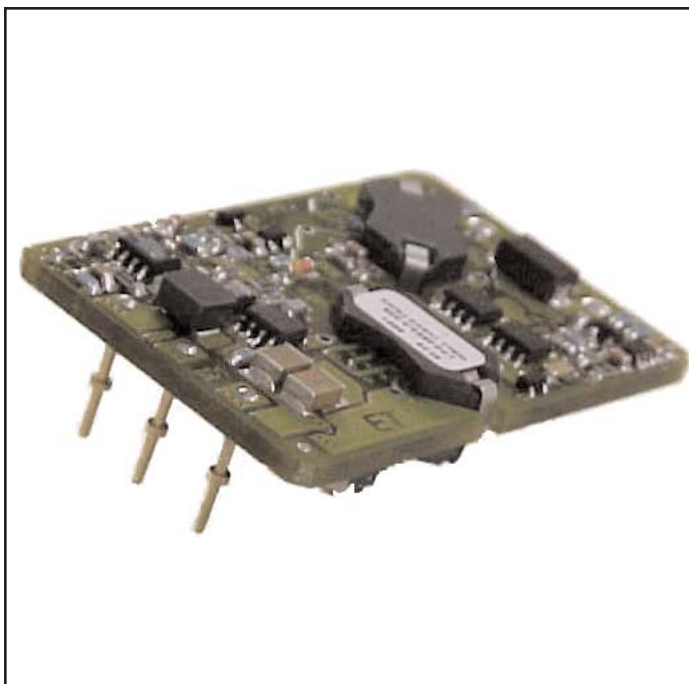


FEATURES

- Low profile, single board construction
- Very high efficiency
- Remote Sense
- Remote On/Off (negative or positive logic)
- Output Voltage Adjustment (industry standard)
- Water Washable
- Constant Frequency
- Overcurrent/short circuit protection
- Low cost, high performance
- No load operation
- Input undervoltage lockout
- Thermal shutdown
- Overvoltage protection
- No external filtering required
- Startup into pre-biased load

THE LPQ SERIES FROM WALL INDUSTRIES

Using industry standard quarter brick pin-out, the LPQ series is a single board construction low profile dc/dc converter. Key features are very high efficiency and low cost. This product offers great performance in networking, telecom, and industrial applications.



SPECIFICATIONS: LPQ SERIES

INPUT SPECIFICATIONS

Input Voltage Range.....	36-75VDC
Input filter.....	Pi type
UVLO.....	33V Typ.
Logic Enable.....	positive or negative

OUTPUT SPECIFICATIONS

Output Current.....	See table
Voltage Accuracy.....	±1%
Line Regulation(LL-HL).....	0.1%
Load Regulation.....	0.2%
Short Circuit Protection.....	continuous
Ripple/Noise (20MHz BW).....	100mVpp
Transient Repsonse (25% load step).....	100 us (to 1% Vout)
Overvoltage Protection.....	125%
Output Trim.....	±10%
Power Foldback.....	130% rated Po
Minimum Load Required.....	None

GENERAL SPECIFICATIONS

Efficiency.....	up to 92%
Isolation Voltage (input to output).....	1500VDC
Isolation Resistance.....	100MOhms
Switching Frequency.....	350 KHz

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....	-40°C to +125°C Tj
Storage Temperature.....	-50°C to +125°C
Humidity (non-condensing).....	95%
Thermal Shutdown.....	115°C (PCB)

PHYSICAL SPECIFICATIONS

Package size.....	1.45" X 2.28" X 0.45"
Weight.....	1.0 oz. typ.
Pinout.....	Industry Standard

*All specifications apply at 25°C ambient, unless otherwise noted.
Due to advances in technology, specifications subject to change without notice.*

11/16/02

Input Voltage	Output Voltage	Output Current	Model Number
36-75	1.8	10A	LPQ48S1.8-18
	2	10A	LPQ48S2-20
	2.5	10A	LPQ48S2.5-25
	3.3	10A	LPQ48S3.3-33
	5	10A	LPQ48S5-50
	1.8	15A	LPQ48S1.8-27
	2	15A	LPQ48S2-30
	2.5	15A	LPQ48S2.5-38
	3.3	15A	LPQ48S3.3-50
	5	15A	LPQ48S5-75

NOTES:

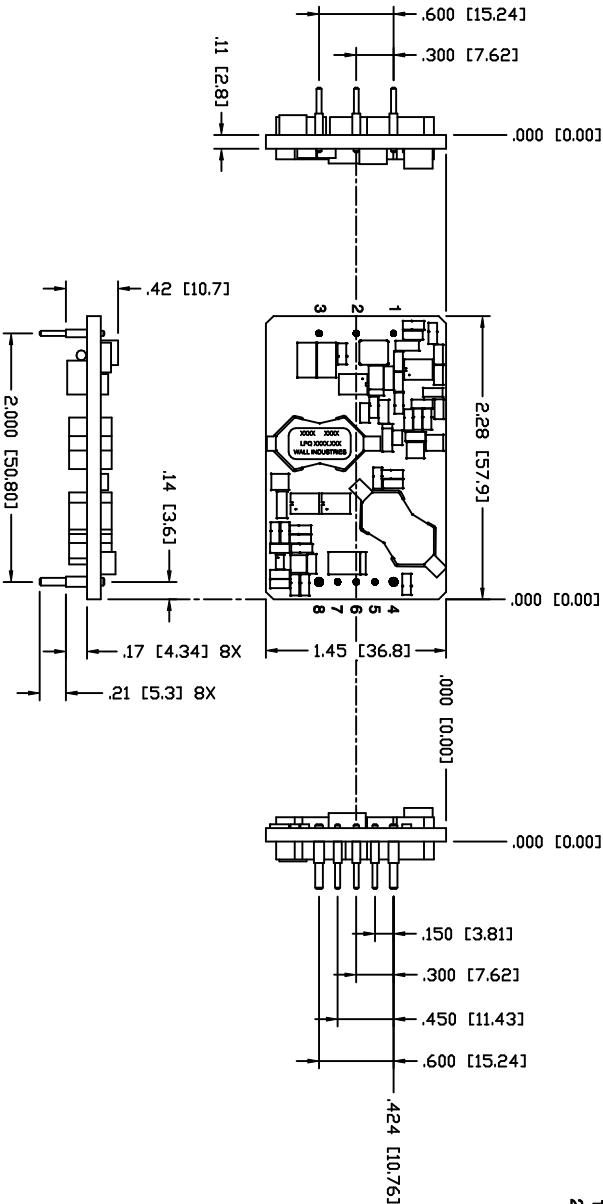
1) For negative logic, Remote ON/OFF, add "R" suffix

2) For other input voltages, please contact the factory at 1 (888) 597-WALL.

DRAWING NO: AY105666		SHEET 1 OF 1			
ECO NO:	REV.	DESCRIPTION	CHG/DATE	APPROVED	DATE
—	A	ISSUE FOR PRODUCTION	—	S.P.	05-20-02
3287	B	UPDATED TO NEW PIN DESIGN	KAP/10-11-02		

NOTES:

1. DIMENSIONS ARE FOR REFERENCE ONLY UNLESS OTHERWISE NOTED.
2. PIN TO PIN TOLERANCE $\pm .01$ [± 0.2].
- PIN DIAMETER TOLERANCE $\pm .005$ [$\pm .13$].



PIN ASSIGNMENT	PIN Ø
1 +INPUT	Ø.040
2 ON/OFF	Ø.040
3 -INPUT	Ø.040
4 +OUTPUT	Ø.080
5 +SENSE	Ø.040
6 TRIM	Ø.040
7 -SENSE	Ø.040
8 -OUTPUT	Ø.080

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UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES(MM), TOLERANCE ON: ANGLES N/A XX - N/A XXX - N/A REMOVE ALL BURRS AND BREAK SHARP EDGES. INTERPRET DIMENSION AND TOLERANCE PER ASME Y14.5M - 1994		DRAWN BY: KERN/ANN PRICE	DATE: 06-20-02	TITLE: OUTLINE DRAWING "LPQ & MPQ" SERIES	
THIRD ANGLE PROJECTION		CHECKED:	PROJECT ENGR:	MECHANICAL ENGR:	MANUFACTURING ENGR:
WALL INDUSTRIES, INC. 5 WATSON BROOK ROAD WESTON, MA 02090 USA PH: 603-778-2300 FAX: 603-778-9797		SCALE: N/A FI: ay105666_b.dwg SHEET 1 OF 1			

FIRST USED ON: "LPQ" SERIES