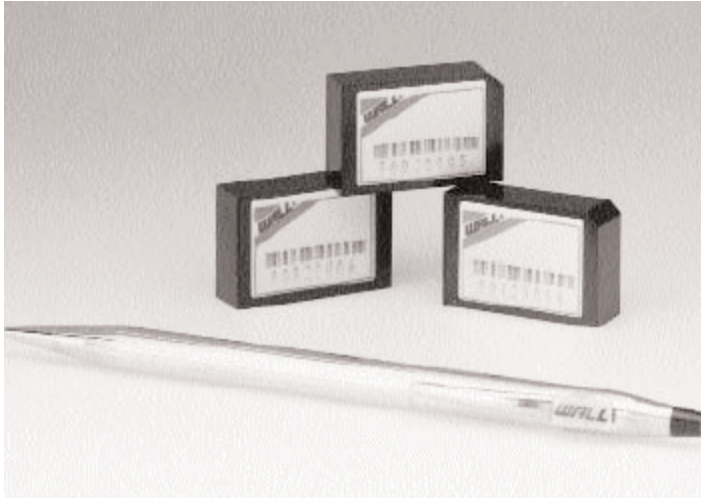




- Wide input voltage range
- Regulated outputs
- Continuous short-circuit protection
- 1600VDC I/O Isolation
- Metallic case for five-sided shielding
- No derating to 70°C

The LANCW series of dc/dc converters offers up to 8 watts of output power. The LANCW series is intended to provide power and isolation for applications requiring high power density.

MODELS

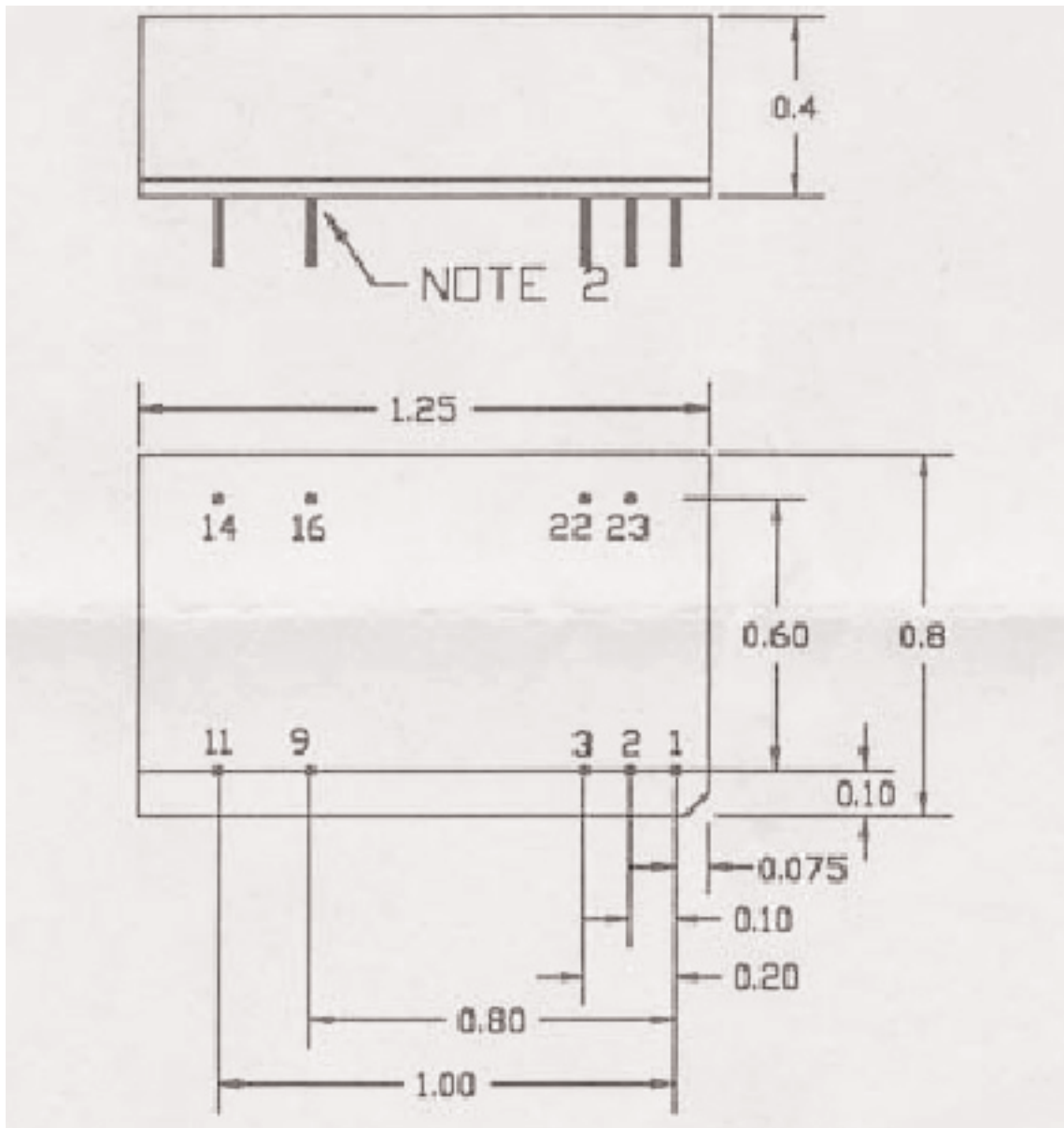
MODEL	INPUT VDC	OUTPUT VDC	OUTPUT CURRENT	EFF.
LANC123.3W8	9-18	3.3	2000	80%
LANC1205W8		5	1500	82%
LANC1212W8		12	666	83%
LANC1215W8		15	533	83%
LANC1205DW8		+/-5	+/-800	83%
LANC1212DW8		+/-12	+/-333	84%
LANC1215DW8		+/-15	+/-267	84%
LANC243.3W8	18-36	3.3	2000	81%
LANC2405W8		5	1500	82%
LANC2412W8		12	666	83%
LANC2415W8		15	533	83%
LANC2405DW8		+/-5	+/-800	83%
LANC2412DW8		+/-12	+/-333	84%
LANC2415DW8		+/-15	+/-267	84%
LANC483.3W8	36-75	3.3	2000	81%
LANC4805W8		5	1500	83%
LANC4812W8		12	666	84%
LANC4815W8		15	533	84%
LANC4805DW8		+/-5	+/-800	83%
LANC4812DW8		+/-12	+/-333	85%
LANC4815DW8		+/-15	+/-267	85%
For negative logic remote on/off, add suffix "R"				

PIN CONNECTIONS		
1	on/off	on/off
2,3	-V in	-V in
9	NC	Common
10	No Pin	No Pin
11	NC	-V out
14	+V out	+V out
15	No Pin	No Pin
16	-V out	Common
22,23	+V in	+V in

SPECIFICATIONS

All specifications apply at 25°C unless otherwise noted.

SPECIFICATIONS		
INPUT SPECIFICATIONS		
Input Voltage Range		9-18, 18-36, 36-75VDC
Nominal Input		12, 24, 48VDC
Input Filter		Pi-Input filter
OUTPUT SPECIFICATIONS		
Output current		See table
Voltage Tolerance		+/-2%
Line Regulation		+/-0.2%
Load Regulation		Single +/-0.2%, Dual +/-1%
Ripple/Noise		50mV p-p typical
Short-Circuit Protection		Continuous
Over-Voltage Protection		N/A
GENERAL SPECIFICATIONS		
Efficiency (at full load)		80% to 86%
Isolation Voltage (input to output)		1600VDC min.
Isolation Resistance		10 ⁹ Ohms
Switching Frequency		300kHz
MTBF		MIL217F 7.189 x 10 ⁵ hours
ENVIRONMENTAL SPECIFICATIONS		
Operating Temperature		-25 to 71°C
		"I" suffix -40°C to +71°C
Storage Temperature		-55°C to +125°C
Cooling		Free Air Convection
Humidity		20% to 95% R.H. (non-condensing)
PHYSICAL SPECIFICATIONS		
Shielding		Five-Sided
Weight		1.0oz
Case Material		Nickel-coated copper, non-conductive baseplate
Dimensions		1.25" x 0.8" x 0.4"



NOTES	
1)	All case and pin dimensions are for reference only
2)	Pin size is 0.020" dia. Or 0.010 x 0.020" rectangular
3)	Pin to pin tolerance is +/-0.010"/ Pin diameter