



DCLN SERIES

DC-DC CONVERTERS

FOR LANS

T-57-11

FEATURES

- 500-2500 VRMS Isolation
- 5-15 VDC Input Range
- Output Noise < 100 mV
- 24 Pin Dip or 5 Pin Square

Preliminary
Specs

APPLICATIONS

- ETHERNET
- CHEAPERNET
- LANS

RATINGS

OUTPUT POWER 1.4 to 3.0 WATTS

OUTPUT RIPPLE

REGULATED 50mV MAX.

UNREGULATED 100mV MAX.

CONTINUOUS SHORT CIRCUIT PROTECTION

REGULATED MODELS ONLY

OPERATING TEMPERATURE RANGE

-20°C to 70°C

OPERATING FREQUENCY

REGULATED 45-75 KHz

UNREGULATED 20-120 KHz

SPECIFICATIONS AT 25 °C

MODEL	INPUT VOLTAGE Vdc	OUTPUT 1		OUTPUT 2		REGULATION	ISOLATION Vrms
		Vout Vdc	Iout mA	Vout Vdc	Iout mA		
DCLN5/9R	5 ± .025	-9 ± 5%	200	—	—	yes	500
DCLN5/9U	5 ± .5	-9 ± 10%	200	—	—	no	500
DCLN12/9R	12 ± 2.0	-9 ± 5%	250	—	—	yes	500
DCLN12/9U	12 ± 1.2	-9 ± 10%	200	—	—	no	500
DCLN12/10	12 ± 1.2	10 ± 10%	100	5 ± 10%	80	no	500
DCLN5/10	5 ± .5	10 ± 10%	100	5 ± 10%	80	no	500
DCLN5/9RI	5 ± .025	-9 ± 5%	200	—	—	yes	2000
DCLN5/9UI	5 ± .5	-9 ± 10%	200	—	—	no	2000
DCLN12/9RI	12 ± 2.0	-9 ± 5%	250	—	—	yes	2000
DCLN12/9UI	12 ± 1.2	-9 ± 10%	200	—	—	no	2000
DCLN12/10I	12 ± 1.2	10 ± 10%	100	5 ± 10%	80	no	2000
DCLN5/10I	5 ± .5	10 ± 10%	100	5 ± 10%	80	no	2000
DCLN15/9I	10.2 - 15.75	-9 ± 5%	250	—	—	yes	2500
DCLN15/10I	10.2 - 15.75	10 ± 5%	100	5 ± 5%	80	yes	2500

