

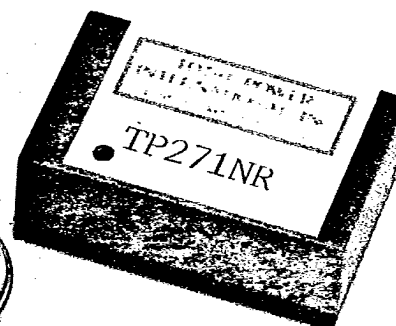
SINGLE and DUAL OUTPUT DC-DC CONVERTERS

LAN SERIES

LAN200

Features:

- Cheaper Application
- 24 Pin DIP Package
- Full Power to 71°C
- Pi Input Filter
- User Selectable VDC Input
- Short Circuit Protection



Specifications:

Input

Input Voltage	: See Order Information Table
Input Voltage Range	: $\pm 10\%$
Input Filter	: Pi Network

Output

Voltage/Current Rating	: See Order Information Table
Voltage Tolerance	: $\pm 5\%$ (max)
Line Regulation	: $\pm 0.3\%$ (Reg.), $\pm 1.2\%$ (Unreg.)
Load Regulation	: $\pm 0.5\%$ (Reg.); $\pm 6\%$ (Unreg.)
Ripple and Noise	: 100mV (9VDC) 300mV (5 & 10VDC) p-p. (DC - 50mHz)
Dielectric Withstand	: 500VDC (min)
Efficiency	: 50% (Reg.); 70% (Unreg.)
Switching Frequency	: 20kHz (min)
Output Protection	: Short Circuit Protection Power Foldback

Environmental

Operating Temperature	: -25°C to 71°C
Storage Temperature	: -40°C to 85°C

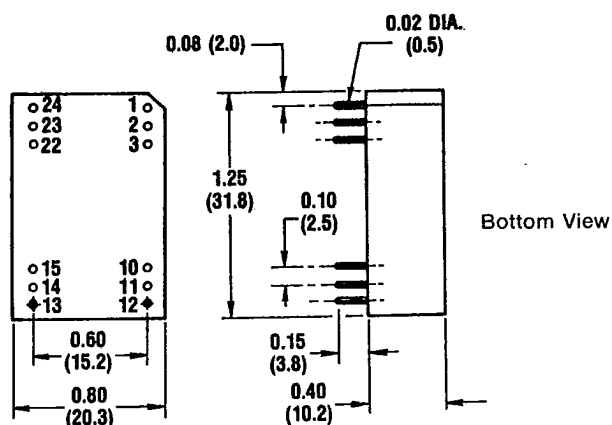
Mechanical

Dimensions	: 1.25 x 0.8 x 0.4 in. (31.8 x 20.3 x 10.2 mm)
Case Material	: Plastic

ORDER INFORMATION TABLE

MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT CURRENT		
				FULL LOAD	NO LOAD	
TP251	5VDC	9VDC	140mA	120mA	540mA	A
TP271	12VDC	9VDC	140mA	45mA	215mA	A
TP251NR	5VDC	9VDC	200mA	100mA	480mA	A
TP255NR	5VDC	10/5VDC	100/80mA	100mA	400mA	B
TP271NR	12VDC	9VDC	200mA	40mA	195mA	A
TP275NR	12VDC	10/5VDC	100/80mA	60mA	165mA	B

NR - Unregulated



Pin Connections		
Pin	A	B
1	+V Input	+V Input
2	NC	Vo Common
3	NC	+5V Output
10	-V Output	Vo Common
11	+V Output	+10V Output
12	-V Input	-V Input
13	-V Input	-V Input
14	+V Output	+10V Output
15	-V Output	Vo Common
22	NC	+5V Output
23	NC	Vo Common
24	+V Input	+V Input