



Wall Industries, Inc.

PSANC Series
15 Watt

Single, Dual, and Triple Outputs
AC/DC Converter for PCB Mount

FEATURES

- Compact Size
- High Efficiency
- Regulated Output
- Universal Input Range
- CE, cUL, TUV Approval
- Single, Dual, and Triple Outputs



SPECIFICATIONS: PSANC Series

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
We reserve the right to change specifications based on technological advances.

INPUT SPECIFICATIONS	
Input Voltage Range	90 ~ 260VAC
Input Frequency	47 to 440Hz
OUTPUT SPECIFICATIONS	
Output Voltage	See Table
Output Power Range	15 Watts max.
Voltage Accuracy	±2%
Line Regulation (LL – HL)	Single & Dual Outputs: ±0.5%; Triple Output: 5V (±1%), 12V & 15V (±5%)
Load Regulation (10% to 100% Full Load)	Single Output: ±0.5%; Dual Output: ±3%; Triple Output: 5V (±2%), 12V & 15V (±5%)
Output Current	See Table
Ripple (Vp-p)	0.2% +40mV max
Noise (Vp-p)	0.5% +50mV max
Temperature Coefficient	±0.02%/°C
PROTECTION	
Short Circuit Protection	Continuous
GENERAL SPECIFICATIONS	
Switching Frequency	100KHz
Efficiency	See Table
Isolation Voltage (Input to Output)	3000VAC
Isolation Resistance	10GΩ min.
ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-25°C to +71°C
Storage Temperature	-40°C to +85°C
Cooling	Free air convection
PHYSICAL SPECIFICATIONS	
Case Material	P.B.T. and Fiberglass
Weight	140g
Dimensions	2.91(L) x 2.13(W) x 0.87(H) inches (74.0(L) x 54.0(W) x 22.0(H) mm)
SAFETY & EMC	
Agency Approvals	CE, cUL, TUV



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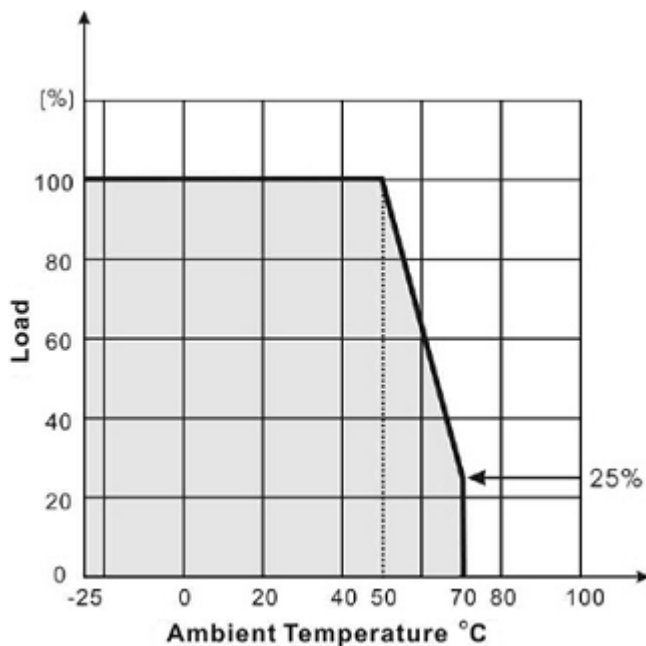
OUTPUT VOLTAGE / CURRENT RATING CHART

Model Number	Input Voltage	Output Voltage	Output Current	Efficiency
PSANC-5S	90 –260 VAC	5 VDC	3000mA	75%
PSANC-12S	90 –260 VAC	12 VDC	1250mA	80%
PSANC-15S	90 –260 VAC	15 VDC	1000mA	80%
PSANC-24S	90 –260 VAC	24 VDC	625mA	84%
PSANC-5D	90 –260 VAC	+5 VDC - 5 VDC	+1500mA -1500mA	75%
PSANC-12D	90 –260 VAC	+12 VDC -12 VDC	+650mA -650mA	79%
PSANC-15D	90 –260 VAC	+15 VDC -15 VDC	+500mA -500mA	79%
PSANC-5S12D	90 –260 VAC	+5 VDC +12 VDC -12 VDC	2000mA +200mA -200mA	75%
PSANC-5S15D	90 –260 VAC	+5 VDC +15 VDC -15 VDC	2000 +150mA -150mA	75%

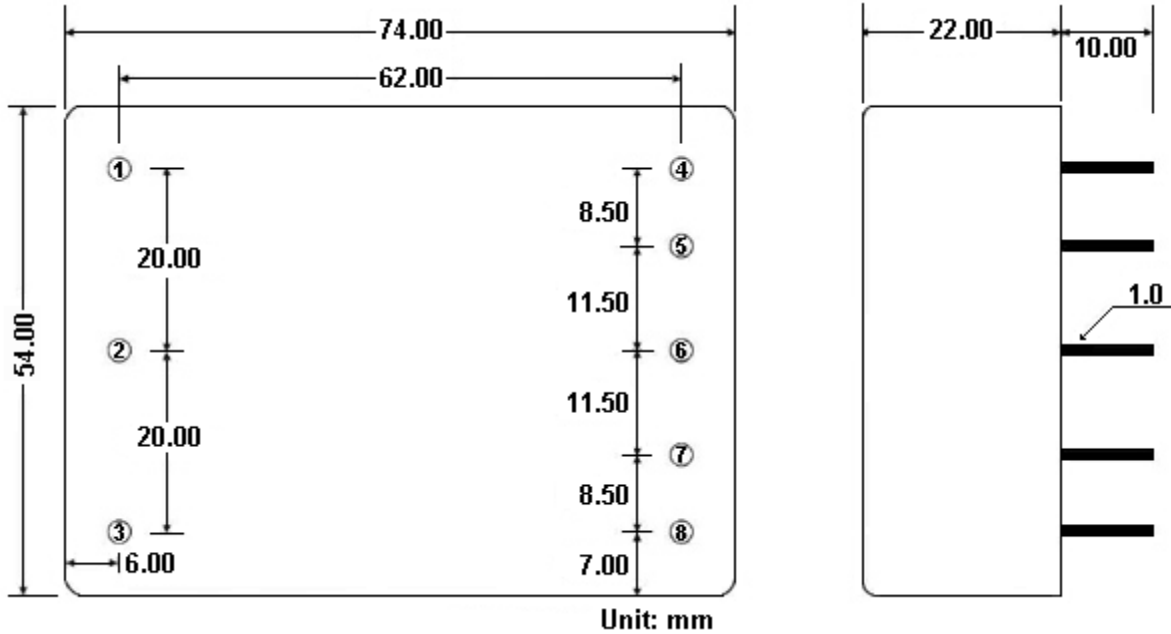
NOTES

1. Dimensions of the mechanical drawing are shown in millimeters.
2. Weight of the unit is 140 grams.

DERATING CURVE



MECHANICAL DRAWING



PIN CONNECTIONS			
PIN #	SINGLE	DUAL	TRIPLE
1	FG	FG	FG
2	AC IN	AC IN	AC IN
3	AC IN	AC IN	AC IN
4	NO PIN	NO PIN	-DC OUT
5	-DC OUT	-DC OUT	COMMON
6	NO PIN	COMMON	+DC OUT
7	+DC OUT	+DC OUT	COMMON
8	NO PIN	NO PIN	+5V OUT