

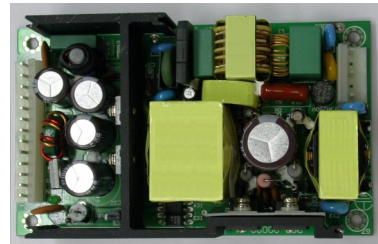


**ICI-100/130 WATT,
SINGLE & MULTIPLE OUTPUT
AC-DC OPEN FRAME CONVERTER
(RoHS Compliant)**

FEATURES:

- Greater than 80% Efficiency
- Small size 3.00 x 5.00 x 1.28"
- 100-130W with Convection Cooling
- Single & Multiple Outputs
- Power Factor Correction
- Internal EMI filter
- Wide Input Voltage 90 to 264VAC, 47 to 63Hz
- Input Surge current, Over Voltage and Over Load protection

100/130 WATT



Single

Specifications typical at TA=25C, nominal input voltage and rated output current unless otherwise specified.

Part Number	Output Voltage	Output Power	Output Current		Ripple & Noise
			Convection Cooled	Max 18 CFM	
	V	W			mVp-p
ICI-100-S03-01	3.3	100	25.0A	30.0A	150
ICI-130-S05-01	5	130	20.0A	26.0A	150
ICI-130-S12-01	12	130	9.0A	10.8A	150
ICI-130-S15-01	15	130	7.0A	8.7A	150
ICI-130-S24-01	24	130	4.5A	5.4A	150
ICI-130-S48-01	48	130	2.3A	2.7A	150
ICI-130-T051212-01	5	130	11.5A	15.0A	150
	12		3.0A	4.0A	150
	-12		0.5A	0.5A	150
ICI-130-T0305P12-01	3.3	130	10.0A	15.0A	150
	5		8.0A	15.0A	150
	12		0.5A	0.5A	150

AC/DC CONVERTERS 100/130 WATT	SINGLE & MULTIPLE OUTPUT SERIES
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Input Specifications:					
Parameters	Conditions	Min	Typical	Max	Units
AC Input Voltage		90	100-240	264	Vac
Input Frequency		47	50/60	63	Hz
DC Input Voltage		127		370	Vdc
Inrush Current	115Vac 230Vac			30/60	A

Output Specifications:						
Parameters	Conditions	Min	Typical	Max	Units	
Set Point Accuracy	V1 +/-1%, V2 & V3 +/-5%, Measured at 60% Load					
Output Power	To 130 Watt					
Minimum Load	No Minimum Load Required (Note 1)					
Line Regulation	+/-0.5%, for Nominal Line +/-10%					
Load Regulation	+/- 1%, +/-5% For all Secondary Outputs on Multiple Output Models (Note 2)					
Tolerance	+/-1					%
Ripple & Noise	+/-1					mVp-p Note 3
Transient Response	4% max deviation, 500 uS Recovery Time for a 25% Load Change					
Temperature	0.5%/C					

General Specifications:					
Parameters	Conditions	Min	Typical	Max	Units
Efficiency Typical	>80%, Nominal line full load				
Power Density	6.3 Win3 single Output Models				
MTBF		100,000			Hrs
Size	3.00 x 5.00 x 1.28" (1.35" for multi-Output)				
Weight			300		g
Operating Temperature		-20C		+70	C
Storage Temperature		-45C		+85	C
Isolation Voltage		3000V AC Input to Output			
		1500V AC Input to Ground			
		500V AC Output to Ground			
Safety & EMC		Meets UL 1950, EN60950, CE Mark LVD			

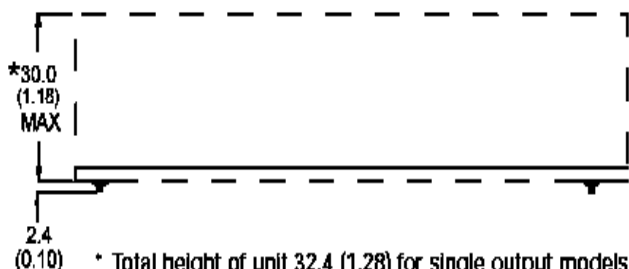
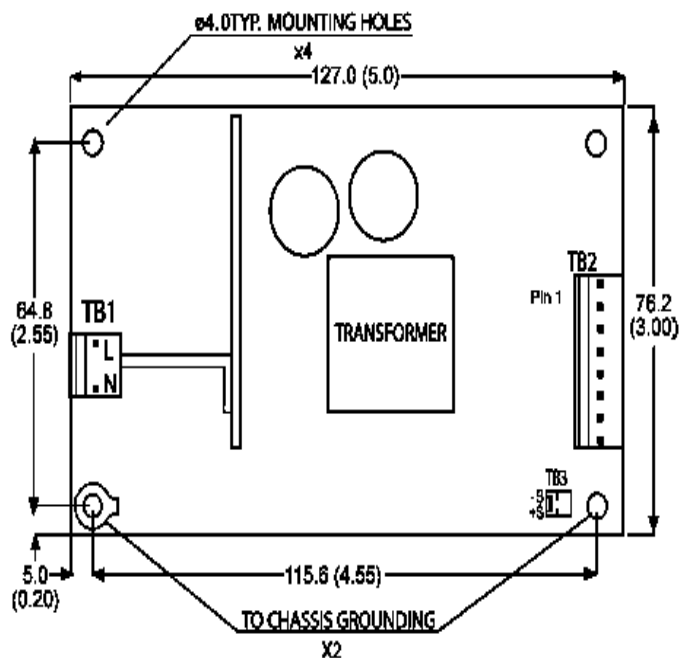
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Coefficient Specifications:

Parameter	Conditions	Min	Typical	Max	Units
Hold Up Time			16		mS
Remote sense		On V1 only, compensates for 0.5V lead drop			
Overvoltage		115% to 140% Protection recycle input to reset			
Overcurrent		120%-150% foldback			
Protection		With auto recovery			

Notes:

- 20% minimum load required on V1 to maintain stated regulation for auxiliary rails.
- Load regulation of auxiliaries is defined over the range of 60% of rated output +/-40%
- Ripple & noise is measured by using 20 MHz bandwidth, each output terminated with a 0.47 uF capacitor and a 47 uF electrolytic Capacitor at rated load and nominal line.



Notes:

- Dimensions in mm (inches). Tolerance is ± 1 mm.
- AC input connector (TB1): Molex 5277-02A or equivalent.
- DC output connector (TB2): Molex 5273 or equivalent.
- Remote sense connector (TB3): Molex 5045-02A or equivalent.

TB2	Models			
	PS05	PS12, 15, 24, 48	PT31	PT30
1	+V	+V	+5V	+3.3V
2	+V	+V	+5V	+3.3V
3	+V	+V	+5V	+3.3V
4	+V	RET	RET	RET
5	RET	RET	RET	RET
6	RET	RET	RET	RET
7	RET	N/A	RET	RET
8	RET	N/A	+12V	+5V
9	N/A	N/A	-12V	+5V
10	N/A	N/A	N/A	+12V

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