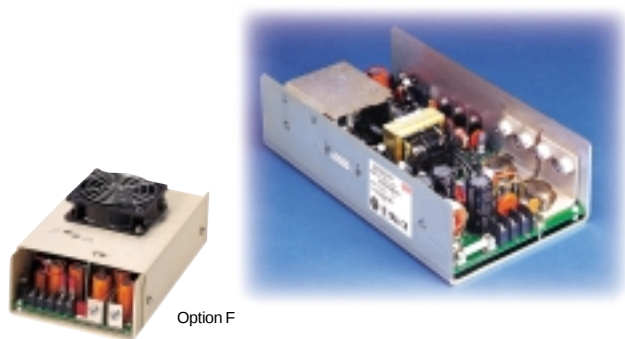


DCX-350 Commercial

Multiple Output 48 Vdc Input



SPECIFICATIONS:

Input

Dc Input

DCX models 40.8-60 Vdc range, internally fused for 15 A.

Efficiency

70 to 75% typical.

OUTPUT

Adjustability

All outputs user adjustable $\pm 5\%$ minimum.

Line & Load Regulation

$\pm 2\%$ over dc input range and 0 to 100% load change, except DPS models hold $\pm 3\%$ on +5 V output (preprogrammed slope). Multiple output units require a minimum load of 10% on the +5 V output when drawing full load on the auxiliary outputs.

Ripple & Noise

Less than 1% p-p or 100 mV, whichever is greater.

Remote Sense

(Output #1): Compensates for 250 mV total line drop. Open sense lead protection. (See Redundancy, below.)

Temperature Coefficient

0.02% per degree C.

Stability

0.1% over 8 hours after 30 minutes warm-up.

Transient Response

Output voltage returns to within 1% in less than 500 μ s for a 50% load change. Peak transient does not exceed 5%.

Overload Protection

All outputs are protected against overload and short circuit. Automatic recovery upon removal of fault.

Overvoltage Protection (Output #1)

Protects load against power supply induced overvoltage. Trip point is factory set so that output voltage cannot exceed 136% of nominal.

Peak Output Current

Dual current ratings define continuous and peak currents. The peak current shown can be delivered for a maximum period of 30 seconds.

Remote Inhibit

Contact closure to the negative sense line drops output power to nominal zero.

Reverse Voltage

Protected against reverse voltage up to supply current rating.

FEATURES:

- Over 3 watts/in³ power density
- Meets international safety requirements
- All outputs regulated $\pm 1\%$
- High peak currents for motor starting
- System air and self-cooling options
- Available in dual ac input range

ENVIRONMENTAL

Thermal Protection

Shuts down power supply if overheated. Automatic recovery.

Temperature Range

0° to 50°C at full ratings.

Safety Agencies

Most models are approved to UL1950; CSA 22.2 #234; IEC 950 and TÜV EN60950, Class 1 SELV., CE 72/23/EEC/93/68EEC (low voltage directive).

Conducted RFI

Meets FCC Part 15, Subpart J, Class A; EN55022 Class B; CISPR 22 Class B.

Cooling

30 cfm required to achieve full ratings.

Output Isolation

Isolated from ground 50 Vdc, except 100 Vdc for models rated 48 Vdc output.

OPTIONS

Option "F"

Fan/Cover Assembly: Cover with integral ball-bearing fan provides proper cooling to achieve full ratings at 50°C ambient temperature.

DC INPUT

FUNCTION	-48 Vac	+24 Vdc	CONNECTOR
TB1(-)	-48 Vdc Input	+24 Vdc Return	Barrier strip #6-32 screws 3/8" centers
TB1(+)	-48 Vdc Return	+24 Vdc Return	
TB1-(GND)	Safety Ground	Safety Ground	

DC OUTPUT

FUNCTION	LOCATION	NOTES	CONNECTOR
Output #1	Terminal marked +V	Main Output	Bus bars #10-32 screws
	Terminal marked -V	Rtn (Common)	
Output #2	TB2-3	Rtn (Common)	Barrier strip #6-32 screws 3/8" centers
(If provided)	TB2-4		
Output #3	TB2-5	Rtn (Common)	
(If provided)	TB2-4		
Output #4	TB2-1	(+) Floating Output	
(If provided)	TB2-2	(-) Floating Output	

STATUS AND CONTROL

FUNCTION	LOCATION	NOTES	CONNECTOR
Remote Sense	J1-1 (+S)	Output #1 Sense	AMP MTA type
	J1-2 (-S)	Output #1 Sense Rtn	#640456-4 pin
DC Power Good*	J1-3 	Reference to J1-2	
Inhibit	J1-4 (IH)	Short to J1-2	header (locking)

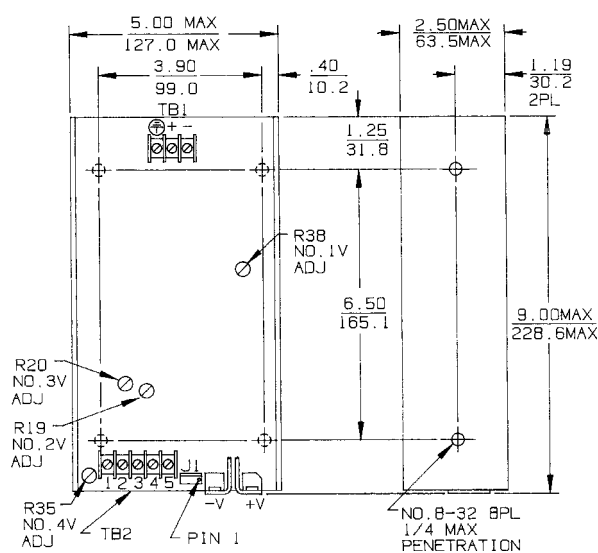
*Optional function

DCX-350 Commercial 350 Watt Multiple Output

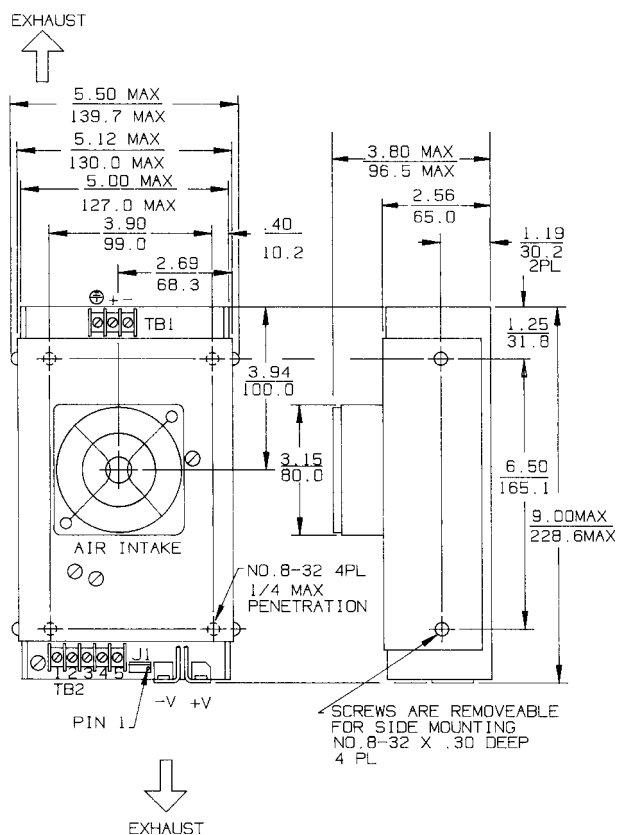
Commercial Model	Power Out	Output No.	Output	Current	Total Regulation
DCX-354-1205	350	1	+5 V	50 A	1%
DCX-354-1205F		2	+12 V	8/12 A pk	1%
		3	-12 V	4 A	1%
		4	5.2 V	2 A	1%

DCX-350 MECHANICAL SPECIFICATIONS:

DCX-350
3.2 lb - 1.5 kg



DCX-350 with Option F
3.8 lb - 1.7 kg



Dimensions: Inches
Millimeters



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