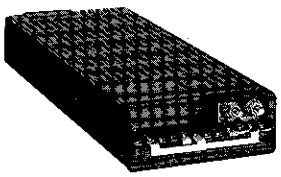
WD305 BABT approved 300W multiple



BABT Approved

EMI Conducted and Radiated to Level B

Psophometric Noise Less than 2mVrms

100 KHZ Low Profile Design

5 Fully Regulated Outputs

Input Reverse Voltage Protection

80% Typical Efficiency

Lamda's ultra-compact WD305 multiple output 300 watt power supply helps you create high density computer-based telecommunication systems. The WD305 unit has worldwide safety agency approvals of BABT, IEC950, UL1950 and CSA950 and EMI compliance to FCC, VDE0871 class B conducted and radiated. They offer several options which simplify and shorten the design process, including output power good signal, remote on/off, current sharing on the main output, built in thermal protection, and more.

Lambda's WD305 units have the lowest profile (1.77") power supply and the smallest footprint of any 300 W multiple output on the market today. They are the ideal solution for communications and computer peripheral applications.

Similar products		Page
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DC Input ..... 48VDC (40 - 63V)

Efficiency ..... 80% typical

Inrush Current Limiting ..... The turn-on in-rush current will not exceed 20 amps peak.

EMI ..... Conducted EMI conforms to VDE 0871, level B 10kHz-30MHz. FCC Part 15 Subpart J Class B. EN55022 and BS6527 Level B VDE 0871, Level B 10kHzl1000MHz. Radiated EMI conforms to VDE 0871, Level B 10kHz-1000MHz.

DC Output ..... Voltage range shown in table.

Output Power ..... 300 watts max (1m/sec air flow or integral fan option required), 200 watts max on convection cooled models.

Line Regulation ..... ±0.2% on main and auxiliary outputs for ±1% on main output; 2% for load changes from 20-100% an auxiliary required on main output of WD300.

Load Regulation ..... ±1% on main output; 2% for load changes from 20-100% an auxiliary outputs. Minimum load of 5A required on main output.

Ripple and Noise ..... 50mv pk-pk on main outpt; 1% pk-pk on auxiliary outputs. 10Hz-30MHz bandwidth.

Hold-up Time ..... ≥500 usec,input nom Vac.

Overvoltage Protection .... Overvoltage protection is provided on the main 5 volt output only.

Overload Protection ..... A automatic electronic current limiting circuit, limits the output current to a preset value, thereby providing protection for the load as well as the power supply.

Cooling ..... The WD305 is convection cooled and is available with an optional fan.

Operating Temperature Range 0 to + 70° with linear derating from + 50 to + 70C. Derate to 50% power at + 70°C.

Temperature Coefficient .... 0.02% /°C on main output. 0.95% /°C on auxiliary outputs.

Isolation ..... Type tested 1 minute without breakdown, "Y" capacitors removed. Input to ground & input to output: 4KV RMS 50Hz. Output common to ground: 700 VDC. production tests on complete units, 1 minute without breakdown. Input to grounded outputs: 1.6KV RMS 50Hz. Outputs to ground: 700VDC. Input to output resistance: > 100M Ω at 500VDC.

Remote Sensing ..... Available on main output for voltage drops of 0.5V max.

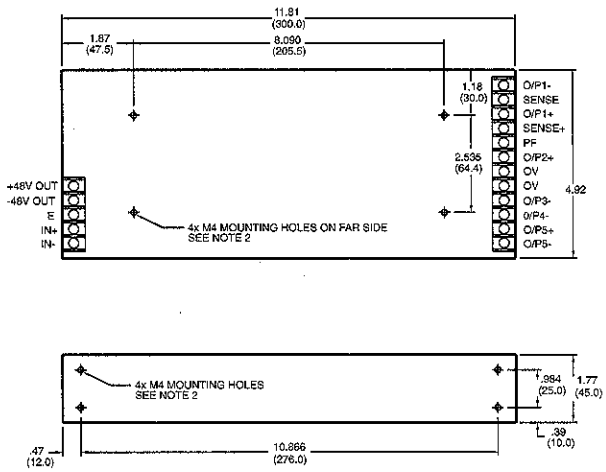
Safety Agency Approval .... BS6301, BS7002, IEC950, UL950, EN60950, CSA234 Level 6, VDE0805.

Options ..... Output power good,low battery alarm, overtemperature cutout, remote on/off, integral fan, and current share (main output only).

Warranty ..... 1 year.

POWER(W)	OUTPUT 1	OUTPUT 2	OUTPUT 3	OUTPUT 4	OUTPUT 5	MODEL
300*	+5V@50A	+12V@10A	-12V@4A	-5.2V@4A	+24V@4A	**WD305 00 00 02**
(200)**	+5V@40A	–	–	–	–	

*A 1m/sec airflow or internal fan option is required for continuous operation at 300W.
** ( ) convention cooled.



NOTE:
1. DIMENSIONS ARE IN INCHES EXCEPT DIMENSIONS ( ) ARE IN MM.
2. 8x M4 TAPPED HOLES FOR CUSTOMER MOUNTING, SCREWS MUST NOT PROTRUDE INTO P.S. BY MORE THAN .137 (3.5) MAX.
3. WEIGHT: 6.4 LBS WITH FAN.
   5.5 LBS WITHOUT FAN.