



375 W

POWER-FACTOR CORRECTED,  
NINE OUTPUT POWER SUPPLY



## PS2251 POWER SUPPLY FEATURES

<b>INPUT POWER:</b>	85 - 275 Vac, 45 - 440 Hz single phase, 6A typical @ 90 Vac (with Active Power Factor correction)
<b>INPUT CONNECTOR:</b>	Standard IEC-320 appliance inlet
<b>OUTPUT POWER:</b>	380 W max; output breakdown and their maximum current ratings are as follows: 3.3 VD @ 35A, 5.0 VD @ 22A, 12 VD @ 6A, Vfan (0 - 13.8 V) @ 2.5A, 5 V @ 18A, -5.0 V @ 15A, 15 V @ 3A, -15 V @ 3A, 5VSB @ 1A
<b>OUTPUT CONNECTOR:</b>	Two AMP 96 position Type C right angle pin assembly with solder posts
<b>CONSTRUCTION:</b>	Opened frame with "L" shaped steel chassis
<b>NOMINAL SIZE:</b>	12.55"L x 12"W x 2.75"H
<b>WEIGHT:</b>	9 lbs.
<b>OPERATING AMBIENT:</b>	0-60 degrees Celsius
<b>COOLING:</b>	Forced air provided by system fan (20 CFM minimum)
<b>CONTROLS:</b>	On/ Standby and Fan Control via logic input
<b>SIGNALS:</b>	Power fail, Line Trigger
<b>PROTECTIONS:</b>	Primary Side: Primary power limiting, DC input bus overvoltage protection, overtemperature protection, AC input undervoltage protection  Secondary Side: Output overvoltage, overtemperature and overcurrent protection

PS2251 POWER SUPPLY FEATURES

(continued)

**POWER CIRCUITS:**

Input Stage: 70 KHz power factor correcting boost converter

Output Stage: 125 KHz two-switch forward isolating down converter with three magamp regulated outputs.

100 KHz two-switch forward isolating down converter with four linear post-regulated outputs.

70 kHz Flyback standby supply.

MECHANICAL OUTLINE

