



4.65" x 1.85" x 1.19"

- Universal 90-264VAC Input
- IEC-320-C14 Input Inlet
- Single Outputs
- 3000V Isolation
- Class I
- LPS Efficiency Level V



| Model Number | Output Watts | Output Volts | Output Amps | Total Regulation |
|--------------|--------------|--------------|-------------|------------------|
| *VPU60A-105  | 60           | 12V          | 5A          | 5%               |
| *VPU60A-106  | 60           | 15V          | 4A          | 5%               |
| *VPU60A-107  | 60           | 18V          | 3.33A       | 5%               |
| *VPU60A-108  | 60           | 24V          | 2.5A        | 3%               |
| *VPU60A-109  | 60           | 30V          | 2.0A        | 3%               |
| *VPU60A-110  | 60           | 36V          | 1.66A       | 3%               |
| *VPU60A-111  | 60           | 48V          | 1.25A       | 3%               |

**\* Note:**

Low cost 3 Wire IEC320/C13 (Part Number ACCRD-C13) Input Power Cords are available for these products. Inquire to the Astrodyne Sales Depart.



## 60W Desktop Switching Power Supplies

## VPU60 series

### INPUT SPECIFICATIONS

|                     |                              |      |
|---------------------|------------------------------|------|
| Input Voltage Range | 90-264 VAC (100-240 Nominal) |      |
| Frequency Range     | 47-63 Hz                     |      |
| Input Current       | Low Line (115VAC)            | 1.6A |
|                     | High Line (230VAC)           | 0.7A |

### OUTPUT SPECIFICATIONS

|                          |                      |                     |
|--------------------------|----------------------|---------------------|
| Voltage and Current      | See Selection Charts |                     |
| Output Power Range       | 0 to FL Rating       |                     |
| Load Regulation (230Vin) | +/- 5%, max.         |                     |
| Line Regulation          | +/- 1%, max.         |                     |
| Transient Response       | 100Vin, FL to 1/2L   | 4mS                 |
| Temperature Coefficient  | +/-0.04%/°C, typ     |                     |
| Ripple/Noise             | FL, 90Vin            | 1% Pk-Pk, max.      |
| Over Current Protection  | 110-150% *           |                     |
| Start Up / Hold Up Time  | 100Vin, FL           | 2S max. / 10mS min. |

### GENERAL SPECIFICATIONS

|                         |                         |
|-------------------------|-------------------------|
| Input-Out Isolation     | 3000 VAC                |
| Input-Ground Isolation  | 1500VAC                 |
| Isolation Resistance    | 50 Mohm min.            |
| Efficiency (FL, 230Vin) | 87%, typ                |
| Safety                  | (c)UL60950-1; EN60950-1 |

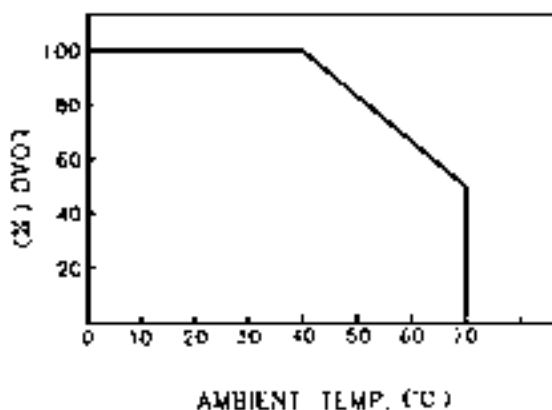
### PHYSICAL SPECIFICATIONS

|              |                       |
|--------------|-----------------------|
| Size         | 4.65" x 1.85" x 1.19" |
| Construction | Desktop Style         |
| Weight       | 12oz (340g)           |

### ENVIRONMENTAL SPECIFICATIONS

|                     |                       |                     |
|---------------------|-----------------------|---------------------|
| Oper. Temperature   | 0 to +40°C (FL) *     |                     |
|                     | 50% Load @ 70°C       |                     |
|                     | (See Derate Curve)    |                     |
| Storage Temperature | -40 to +85°C *        |                     |
| Relative Humidity   | 5% to 95%, non-cond * |                     |
| EMC                 | 110Vin:               | FCC Part 15 Class B |
|                     | 220Vin:               | CISPR-22 Class B    |
| MTBF                | 100,000 Hrs           |                     |
| Efficiency Level    | V                     |                     |

### DERATE CURVE



All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

\* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted nor implied.



60W Desktop Switching Power Supplies

**VPU60A** series

**MECHANICAL DIMENSIONS - VPU60A IEC-320-C14 INLET**

