



Size: 5.00 x 3.00 x 1.00"

Input

Input Voltage 90-264 VAC
 Input Frequency 47-63Hz
 Inrush Current 26A Max @ 230 VAC Cold Start
 Input Current 1A @ 115 VAC / 0.5A @ 230 VAC Typical
 Hold-Up Time 25ms @ 115 VAC / 25ms @ 230 VAC Full Load
 Leakage Current <500 μ A @ 230 VAC
 Power Factor 0.99 Typical @ 230 VAC

Features:

- * Universal AC Input (90-264 VAC)
- * Small Size - only 5 x 3 x 1"
- * Remote Sense Function
- * EN61000-3-2 / IEC100-3-2 Compliant
- * Worldwide Safety Approvals
- * EN55022 & FCC Class B Emissions
- * CE Mark

General

Efficiency 75-84% Typ.
 Switching Frequency 75KHz Approximate
 Operating Temperature 0 to 50°C full load, derate 2.5% per °C to 70°C max.
 Storage Temperature -40°C to +85°C
 Cooling 100l/m airflow
 Temp Co-Efficient 0.04% per °C
 Toplogy Fixed Frequency Forward Circuit

Output

Minimum Load 4% minim load required
 Line Regulation $\pm 0.1\%$ typ.
 Load Regulation $\pm 1\%$ typ
 Ripple & Noise $\pm 1\%$ typ. pk-pk @ 20MHz
 Overload Protection 115-135% of max power
 OverVoltage Protection 128% ($\pm 8\%$)
 Adjustment -10 / +120% or OVP Trip Point
 Transient Response voltage returns < 3mS following a 50% load change
 Remote Sense Compensates for <250mv

EMC & Safety

Emissions EN55022 "B", FCC Class B

Safety Approvals UL/cUL 1950
 IEC950
 CE Mark (LVD)

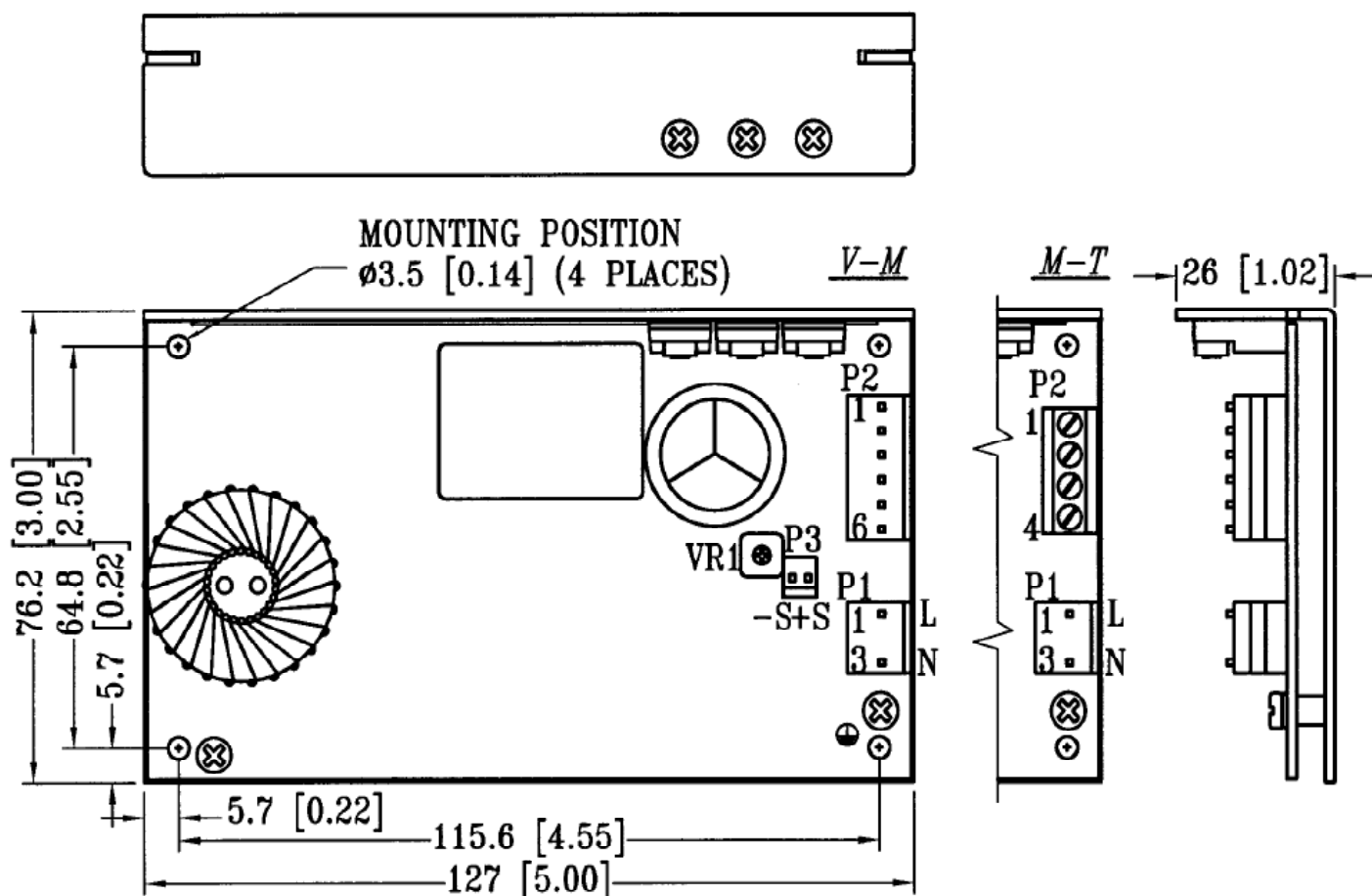


Model Number

Output

APS103VP-033200	3.3V @ 20A
APS103VP-050180	5.0V @ 18A
APS103VP-120085	12.0V @ 8.5A
APS103VP-150068	15.0V @ 6.8A
APS103VP-240042	24.0V @ 4.2A

Mechanical Details



Notes

WEIGHT: PCB Version = 18g (6.35Oz)

INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT:

INPUT: AC LINE = P1-1 / AC NEUTRAL = P1-3 / GROUND = P1-5
 OUTPUT (>12A Output Current): Terminal Strip: V1 = P2-1, 2 | RETURN = P2-3, 4
 OUTPUT (<12A Output Current): Molex 5195: V1 = P2-1, 2, 3 | RETURN = P2-4, 5, 6
 REMOTE SENSE: +S = P3-1 | -S = P3-2