



Features:

- * PCB Mount Encapsulated Switching Power Supply
- * Universal AC Input
- * Worldwide Safety Approvals
- * EN55022 & FCC Class B Emissions
- * CE Mark

Input

2.56 x 1.77 x 0.77"

Input Voltage	Universal (90-264 VAC)
Input Frequency	47-63Hz
Inrush Current	32.5A Max
Input Current	0.3A @ 115 VAC / 0.13A @ 230 VAC Max
Hold-Up Time	20ms typ @ 115 & 80ms @ 230 VAC / Full Load
Input Protection	External Fuse (1A / 250 VAC)

Output

Minimum Load	Multi Output Models, 20% ov V1 only
Line Regulation	Singles = 0.1% typ. Duals = 0.2% typ.
Load Regulation	Singles = ± 1% typ. Duals = ± 2% typ..
Ripple & Noise	1% typ. pk-pk @ 20MHz
Overload Protection	Power Foldback, auto-recovery
OverVoltage Protection	Latch (V1 Only)
Adjustment	Fixed
Transient Response	voltage returns < 3mS following a 50% load change

General

Efficiency	70% Typ.
Switching Frequency	75KHz
Operating Temperature	-10 to +50°C Full Load, de-rate 2.5 per °C up to +71°C
Storage Temperature	-20°C to +85°C
Cooling	Convection Cooled
Temp Co-Efficient	0.04% per °C
Topology	Fixed frequency flyback circuit

EMC & Safety

Emissions	EN55022 "B", FCC Class B
Safety Approvals	UL/cUL60950-1 EN60950-1 CE Mark (LVD)

Model Number

Output

APS10AM-S-033240	3.3V @ 2.40A
APS10AM-S-050200	5.0V @ 2.00A
APS10AM-S-090112	9.0V @ 1.12A
APS10AM-S-120083	12.0V @ 0.83A
APS10AM-S-150070	15.0V @ 0.84A
APS10AM-S-240045	18.0V @ 0.45A
APS10AM-S-480025	24.0V @ 0.25A

APS10AM-D-033120	+3.3V @ 1.38A	-3.3V @ 1.38A
APS10AM-D-050100	+5V @ 1.15A	-5V @ 1.15A
APS10AM-D-120045	+12V @ 0.51A	-12V @ 0.51A
APS10AM-D-150035	+15V @ 0.40A	-15V @ 0.40A

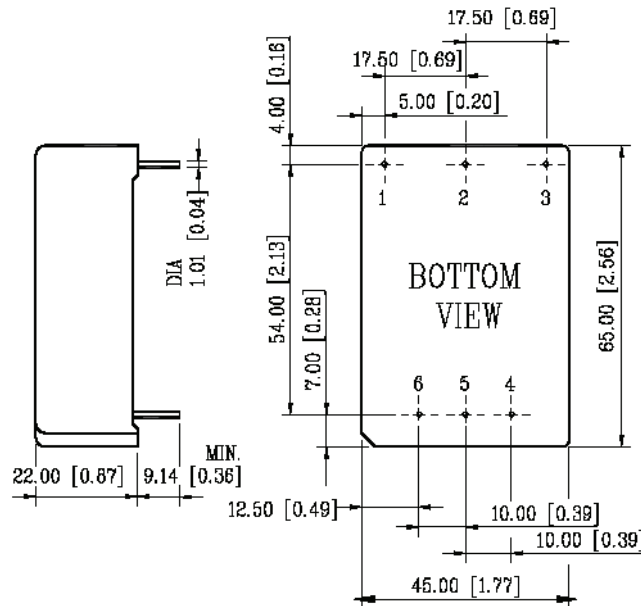
Total Power of all Dual Output Models
Not to exceed 10 Watts (Continuous)



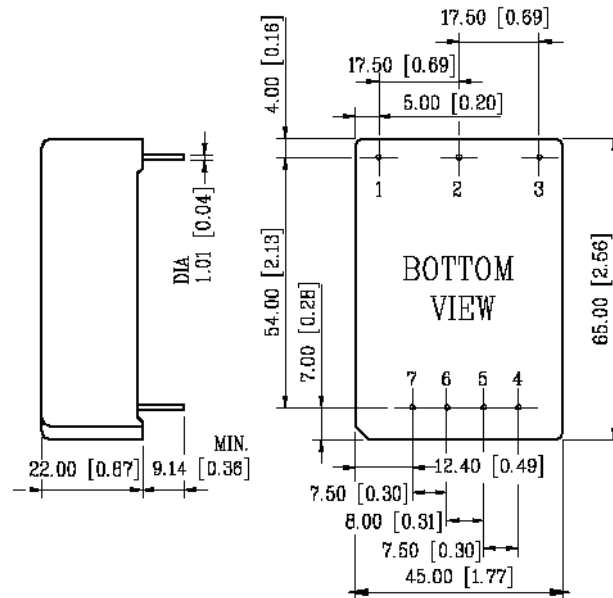
All Advanced Power Solutions (APS) products will be RoHS compliant. Products that are compliant will bear the suffix "-LF" in their part number. APS will continue to ship non-RoHS product until all inventory has been consumed unless customer's have specifically ordered the parts with the "-LF" suffix.

Mechanical Specifications:

Single & Dual Output Models



Triple Output Models



WEIGHT: 120g (4.230z.)

PIN ASSIGNMENT

PIN NO	SINGLE	DUAL	TRIPLE
PIN #1.	AC-GROUND	AC-GROUND	AC-GROUND
PIN #2.	AC-NEUTRAL	AC-NEUTRAL	AC-NEUTRAL
PIN #3.	AC-LINE	AC-LINE	AC-LINE
PIN #4	+ V01	+ V01	+V02
PIN #5.	NC	DC-COM	+V1
PIN #6.	DC-COM	- V02	DC-COM
PIN #7	-	-	-V03