

- Small Size & Lightweight
- PCB Board Mountable
- Low Cost
- Universal Input Voltage
- RoHS Compliant

KPSA Series

5 to 15W AC-DC

Board Mount Power Supplies

Key Market Segments & Applications

- Factory Automation
- Telecom
- Datacom
- Printers and motor drives
- Instruments

KPSA Features and Benefits

Features

- Small Size
- Wide Input Range
- No External Components Needed

Benefits

- Minimises PCB Space
- Global use with no manual intervention
- Easy to use

Specifications		KPSA-5	KPSA-10	KPSA-15
ITEMS	MODEL			
Input Voltage range	-	85 - 264VAC (47 - 63Hz) or 100 - 370VDC		
Inrush Current (115 / 230VAC)	A	30A Max at 230VAC		
Input Current	A	0.13 / 0.07	0.27 / 0.13	0.4 / 0.2
Temperature Coefficient	-	±0.05%/°C		
Voltage Accuracy	-	±1%		
Minimum Load	A	None		
Load Regulation	-	±1% (10% to 100% load)		
Line Regulation (1)	-	±0.5%		
Ripple & Noise (2)	mV	1% or 50mV whichever is greater		
Short Circuit Protection	-	Continuous - hiccup mode		
Overvoltage Protection	V	130-150%		
Hold Up Time (Typ@115VAC)	ms	12	12	12
LED Indicator	-	Green LED = OK		
Operating Temperature	°C	0 to +70 with derating		
Storage Temperature	°C	-20 to +85		
Humidity (non condensing)	%RH	10 - 95		
Cooling	-	Convection		
Withstand Voltage	-	Input to Output 3kVAC		
Vibration (non operating)	-	23.52m/s ² (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour)		
Shock	-	< 196.1 m/s ² (20G)		
Safety Agency Approvals	-	IEC/UL/CSA/EN62368-1, 60950-1, Class II, CE Mark		
Conducted & Radiated EMI	-	EN55022-B, FCC Class B		
Immunity	-	EN61000-4 -2, -3, -4, -5, -6		
Weight (Typ)	g	28	40	48
Size (WxLxH; H above pcb)	mm	55 X 33 X 21	61 X 40 X 20	70 X 45 X 20
Warranty	yrs	2		

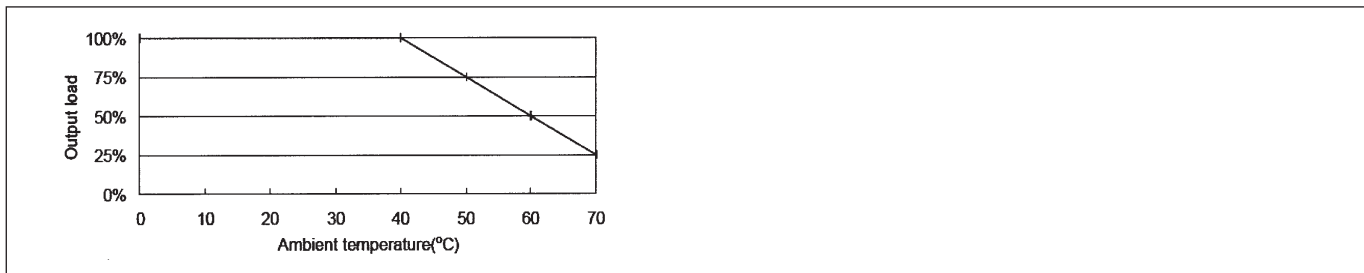
Notes:

- (1) KPSA-5 Measured from 100 - 240VAC
 (2) Measured with 0.1µF ceramic & 10µF electrolytic at 20MHz BW

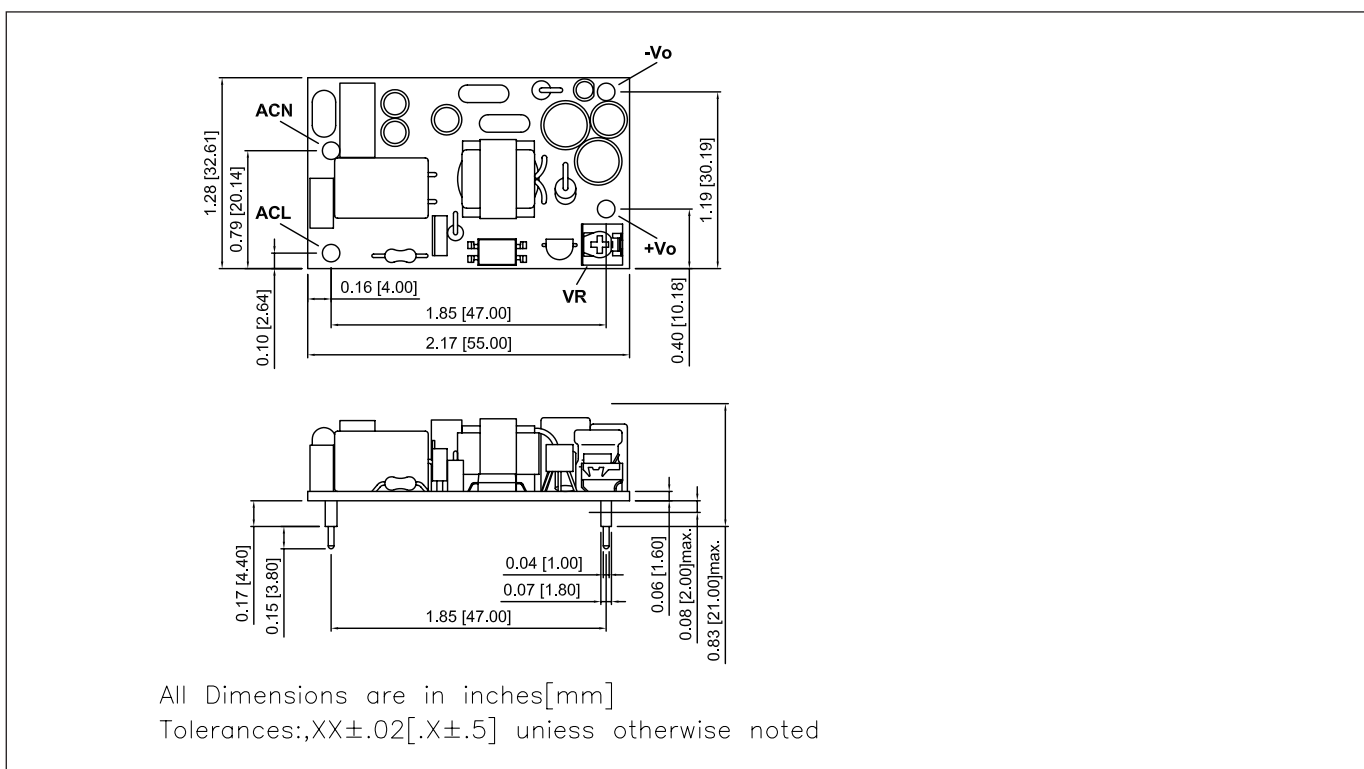
Model Selector

Model	Output Voltage (V)	Maximum Output (A)	Output Pwr (W)	Eff (typ)%
KPSA5-3R3	3.3	1.25	4.1	70
KPSA5-5	5.0	1.00	5.0	70
KPSA5-12	12.0	0.42	5.0	70
KPSA5-15	15.0	0.33	5.0	70
KPSA5-24	24.0	0.23	5.5	76
KPSA10-3R3	3.3	2.50	8.3	65
KPSA10-5	5.0	2.00	10.0	70
KPSA10-12	12.0	0.84	10.1	75
KPSA10-15	15.0	0.67	10.1	75
KPSA10-24	24.0	0.42	10.1	76
KPSA15-3R3	3.3	3.00	9.9	70
KPSA15-5	5.0	3.00	15.0	73
KPSA15-12	12.0	1.25	15.0	80
KPSA15-15	15.0	1.00	15.0	80
KPSA15-24	24.0	0.63	15.1	82

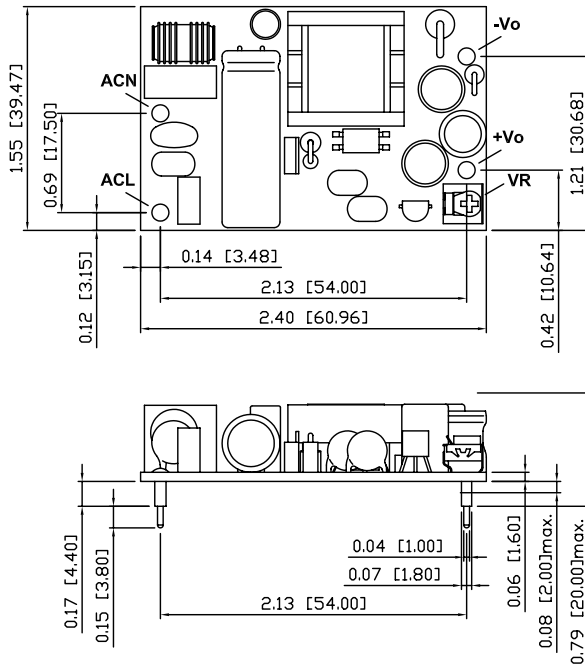
Derating Curve KPSA Series



Outline Drawing KPSA5 Series

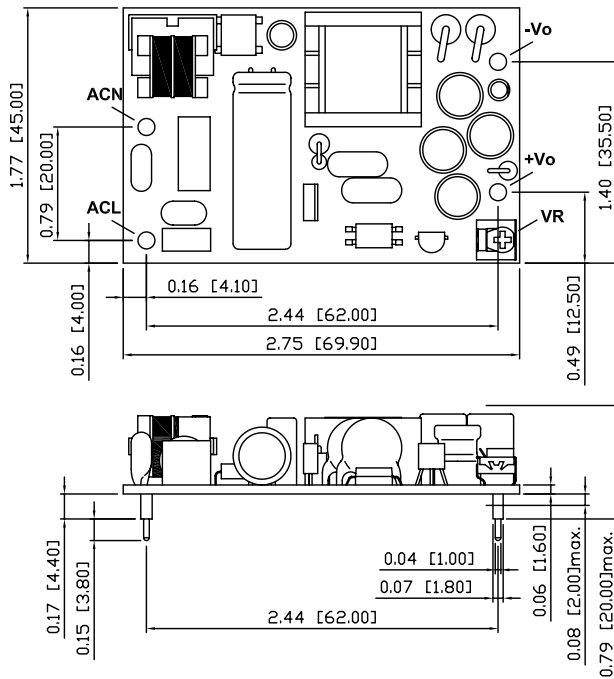


Outline Drawing KPSA10 Series



Note: All Dimensions are in inches (mm)
Tolerances: XX±0.2 (.X±.5) unless otherwise noted

Outline Drawing KPSA15 Series



Note: All Dimensions are in inches (mm)
Tolerances: XX±0.2 (.X±.5) unless otherwise noted

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