

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

Key Market Segments & Applications

Factory Automation
Telecom
Datacom
Printers and motor drives
Instruments

KPS Series

5 to 15W AC-DC
Board Mount Power Supplies

KPS Features and Benefits

Features	Benefits
• Small Size	• Minimises PCB Space
• Wide Input Range	• Global use with no manual intervention
• No External Components Needed	• Easy to use

Specifications

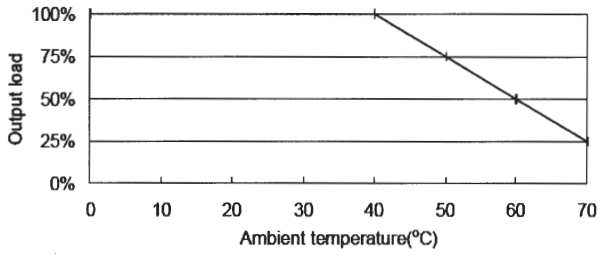
ITEMS / MODEL			KPS-5	KPS-10	KPS-15
Input Voltage range			85 - 264VAC (47 - 440Hz) or 110 - 370VDC		
Inrush Current (115 / 230VAC)		A	20 / 40		
Input Current (115/230VAC)		A	0.13 / 0.07	0.27 / 0.13	0.4 / 0.2
Temperature Coefficient			±0.05%/°C		
Voltage Accuracy			±1%		
Minimum Load		A	None		
Load Regulation			±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	8	16	16
LED Indicator			Green LED = OK		
Operating Temperature			0 to +70°C with derating		
Storage Temperature			-20 to +85°C		
Humidity (non condensing)			10 - 95% RH		
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		-	UL60950-1, CSA60950-1, EN60950-1 Class II, CE Mark		
Conducted & Radiated EMI			EN55022-B, FCC Class B		
Immunity			EN61000-4 -2, -3, -4, -5, -6		
Weight (Typ)		g	29g	60g	80g
Size (WxLxH; H above pcb)		mm	55 X 35 X 20	64 X 45 X 23	70 X 48 X 23
Warranty			2 Year		

Notes:
(1) KPS-5 Measured from 100 - 240VAC (2) Measured with 0.1uF ceramic & 10uF electrolytic at 20MHz BW

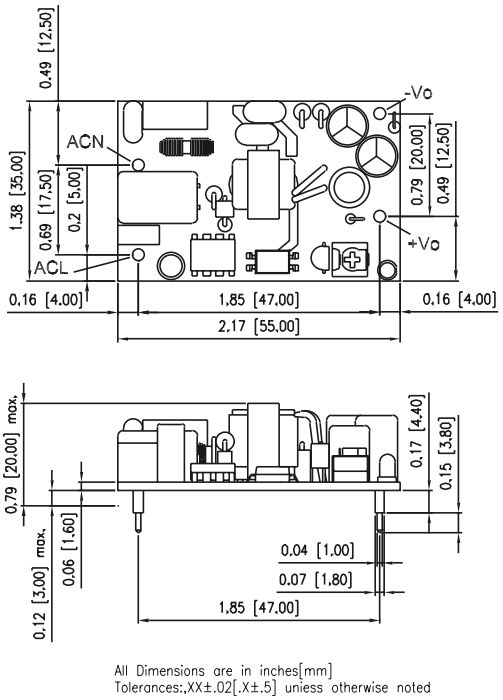
Model Selector

Model	Output Voltage (V)	Maximum Output (A)	Peak Load (A)	Output Pwr (W)	Eff (typ)%
KPS5-3R3	3.3	1.25	-	4.1	70
KPS5-5	5.0	1.00	-	5.0	70
KPS5-12	12.0	0.42	-	5.0	70
KPS5-15	15.0	0.33	-	5.0	70
KPS5-24	24.0	0.23	-	5.5	77
KPS10-3R3	3.3	2.50	3.80	8.3	65
KPS10-5	5.0	2.00	2.80	10.0	70
KPS10-12	12.0	0.84	1.20	10.1	75
KPS10-15	15.0	0.67	1.00	10.1	75
KPS10-24	24.0	0.42	0.65	10.1	78
KPS15-3R3	3.3	3.00	4.50	9.9	70
KPS15-5	5.0	3.00	4.50	15.0	73
KPS15-12	12.0	1.25	1.80	15.0	80
KPS15-15	15.0	1.00	1.50	15.0	80
KPS15-24	24.0	0.63	0.95	15.1	82

Derating Curve KPS Series

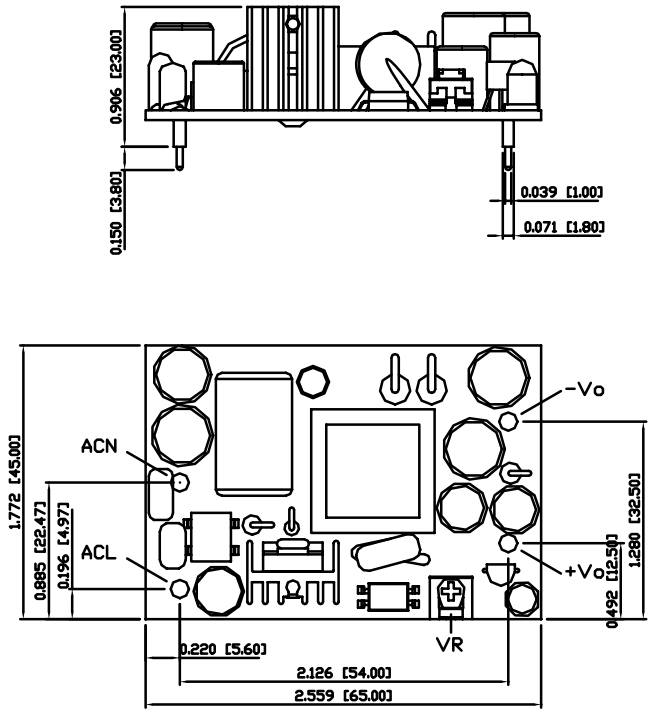


Outline Drawing KPS5 Series

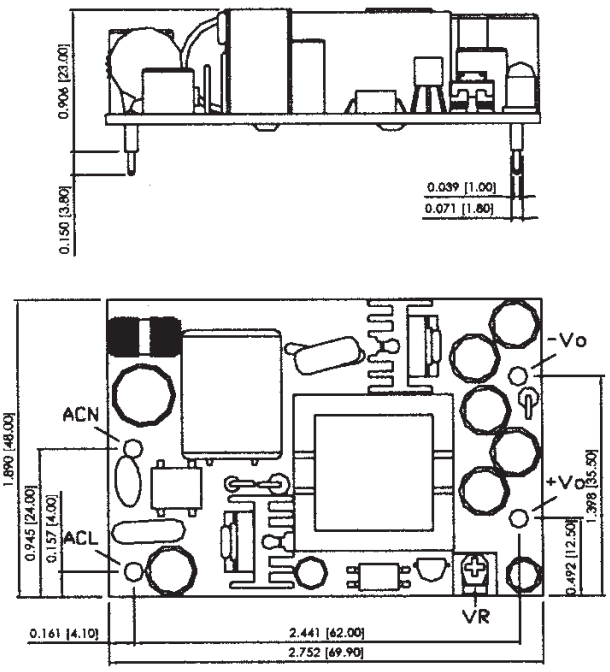


All Dimensions are in inches[mm]
Tolerances:.XX±.02[.X±.5] uniess otherwise noted

Outline Drawing KPS10 Series



Outline Drawing KPS15 Series



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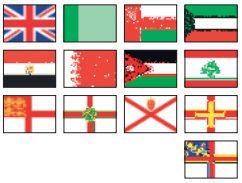
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LOCAL DISTRIBUTION

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