

85-265VAC Wide Range Input

World-wide Agency Approvals - UL, CSA, TUV and CE Mark

PC Board Mountable

-10°C ~ +70°C Continuous Operation

Ultra-Small and Lightweight

Low Noise Conducted EMI Class B

SMD Technology

Convection Cooled

Lambda's KW series is an ultra-small, lightweight, PC board mountable AC-DC power supply. Utilizing SMD technology, the KW series significantly achieves a reduction in size minimizing the maximum allowable PC board area in end-users' equipment. A wide operating temperature range up to 70°C allows it to be used in a variety of applications eliminating the need for a heatsink. The KW series is available from 5W to 15W including single (5V, 12V & 15V) and dual (12V & 15V) outputs.

Similar products

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RWS-A	Chassis Mountable with Barrier	22
ZWS	Open Frame PCB Type with Molex	14
PP, PM, PH	Low Power DC-DC	74, 76, 82

AC Input 85-265VAC 47-440Hz.

DC Input 110-340VDC.

Efficiency 5V @ 73%, 12 & 15V @ 76% (Typical)
Dual 12/15V @ 73%.

Inrush Current Limiting 15A@100Vac, 30A@200Vac.

Conducted EMI VCCI-2, FCC 20780 class B,VDE 0871
Class B (with external cap).

Output Voltage Accuracy ... ±5% (fixed).

Line Regulation 0.4%.

Load Regulation 0.8%.

Ripple and Noise 120mV pk-pk for 5 Volts.
150mV pk-pk for 12,15,12/12 & 15/15
Volts.

Hold-up Time 17ms (typical).

Overvoltage Protection 110% (typical).

Overload Protection Output current limiting. Avoid operation in
overcurrent for longer than 30 seconds
(set @ appr. 125%).

Cooling Convection.

Operating Temperature Range -10°C to 70°C, derate linearly from 50°C
to 25% of rating at 70°C.

Storage Temperature -30°C to +85°C.

Humidity 20% to 90% RH (non-condensing).

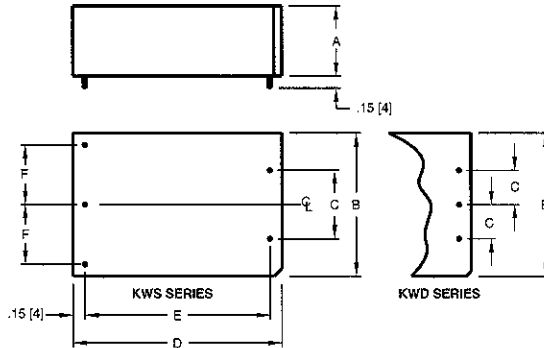
Isolation Input to output – 3.0kVAC.
Input to FG (Chassis) – 2.0kVAC.
Output to FG (Chassis) – 500VAC.

Mounting PC board mountable.

Safety Agency Approval UL1950; CSA 22.2, No. 234; EN60950 &
CE Mark (Low Voltage Directive).

Warranty 1 year.

OUTPUT	POWER (W)	MAX CURRENT AMPS AT				MODEL
		40°	50°	60°	71°	
5V	5	1.00	1.00	0.600	0.250	KWS5-5
	10	2.00	2.00	1.200	0.500	KWS10-5
	15	3.00	3.00	1.800	0.750	KWS15-5
12V	5	0.45	0.45	0.270	0.110	KWS5-12
	10	0.90	0.90	0.540	0.220	KWS10-12
	15	1.30	1.30	0.780	0.320	KWS15-12
15V	5	0.35	0.35	0.210	0.087	KWS5-15
	10	0.70	0.70	0.420	0.175	KWS10-15
	15	1.00	1.00	0.600	0.250	KWS15-15
±12V	5	0.22	0.220	0.137	0.055	KWD5-1212
	10	0.45	0.450	0.280	0.110	KWD10-1212
	15	0.65	0.650	0.400	0.160	KWD15-1212
±15V	5	0.18	0.180	0.110	0.045	KWD5-1515
	10	0.36	0.360	0.220	0.090	KWD10-1515
	15	0.52	0.520	0.320	0.130	KWD15-1515



DIMENSIONS:

MODEL	A	B	C	D	E	F
KWS5	.807 (20.5)	1.77 (45.0)	.787 (20.0)	2.16 (55.0)	1.850 (47.0)	.688 (17.5)
KWS10	.807 (20.5)	1.77 (45.0)	.787 (20.0)	2.52 (64.0)	2.125 (54.0)	.688 (17.5)
KWS15	.825 (23.5)	1.889 (48.0)	.905 (23.0)	2.75 (70.0)	2.440 (62.0)	.787 (20.0)
KWD5	.807 (20.5)	1.77 (45.0)	.393 (10.0)	2.16 (55.0)	1.850 (47.0)	.688 (17.5)
KWD10	.807 (20.5)	1.77 (45.0)	.393 (10.0)	2.52 (64.0)	2.125 (54.0)	.688 (17.5)
KWD15	.825 (23.5)	1.889 (48.0)	.453 (11.5)	2.75 (70.0)	2.440 (62.0)	.787 (20.0)

WEIGHT:

MODEL	GRAMS
KWS5	75
KWS10	100
KWS15	150
KWD5	75
KWD10	100
KWD15	150

NOTE:
1. DIMENSIONS ARE IN INCHES
EXCEPT DIMENSIONS () ARE IN MM.
2. PIN: 5x .039 (1.0).

