

KWS/KWD SERIES

AC/DC Single & Dual Output: 5 - 15 Watts



Features

- PCB mounting
- Wide range 85~264VAC input
- Three power levels: 5W, 10W and 15W
- Single and dual output models
- OVP and overload protection
- Safety approvals
- EMC approval, CE marked
- Fully isolated output
- Ideal for a high tech applications

Dimensions:

	L	W	H	Weight:
KWS5	55	45	20.5mm	75g
KWS10	64	45	20.5mm	100g
KWS15	70	48	23.5mm	150g
KWD5	55	45	20.5mm	75g
KWD10	64	45	20.5mm	100g
KWD15	70	48	23.5mm	150g

Specifications

INPUT VOLTAGE:	85 - 264VAC or 110 - 340VDC
FREQUENCY:	47 - 440Hz
INRUSH CURRENT:	Typically 15A @ 100VAC 30A @ 200VAC
EFFICIENCY:	Model dependent, 67~77%
VOLTAGE ACCURACY:	Voltage is factory set with 5%
OUTPUT V/A:	Refer to table
OUTPUT POWER:	5 - 15 watts
LINE REGULATION:	20mV at 5V output 48 - 50mV at 12 - 15V output 60mV at KWD - 1212 75mV at KWD - 1515
LOAD REGULATION:	40mV at 5V output 96mV at 12V output 600mV at KWD - 1212 750mV at KWD - 1515
RIPPLE & NOISE:	120 - 150mV maximum, model dependent
HOLD-UP TIME:	17ms at 100VAC
OPERATING TEMPERATURE:	-10°C to 50°C at full load Derate to 60% load at 60°C and derate to 25% load at 70°C
HUMIDITY:	20% - 90%RH non-condensing
OVERLOAD PROTECTION:	Current limit with auto recovery set at approximately 105% of rating
OVERVOLTAGE PROTECT:	All models with Zener diode clamping set at approx. 110% of V out
COOLING:	Convection cooled
MOUNTING:	PCB mounting
ISOLATION:	Input - output: 3000VAC Output - ground: 2000VAC Output - ground: 500VDC
PARALLEL OPERATION:	No
SERIES OPERATION:	Yes
SAFETY:	UL1950, EN60950 approvals
EMI:	Conducted to EN55022 levelA, level B with external X capacitor

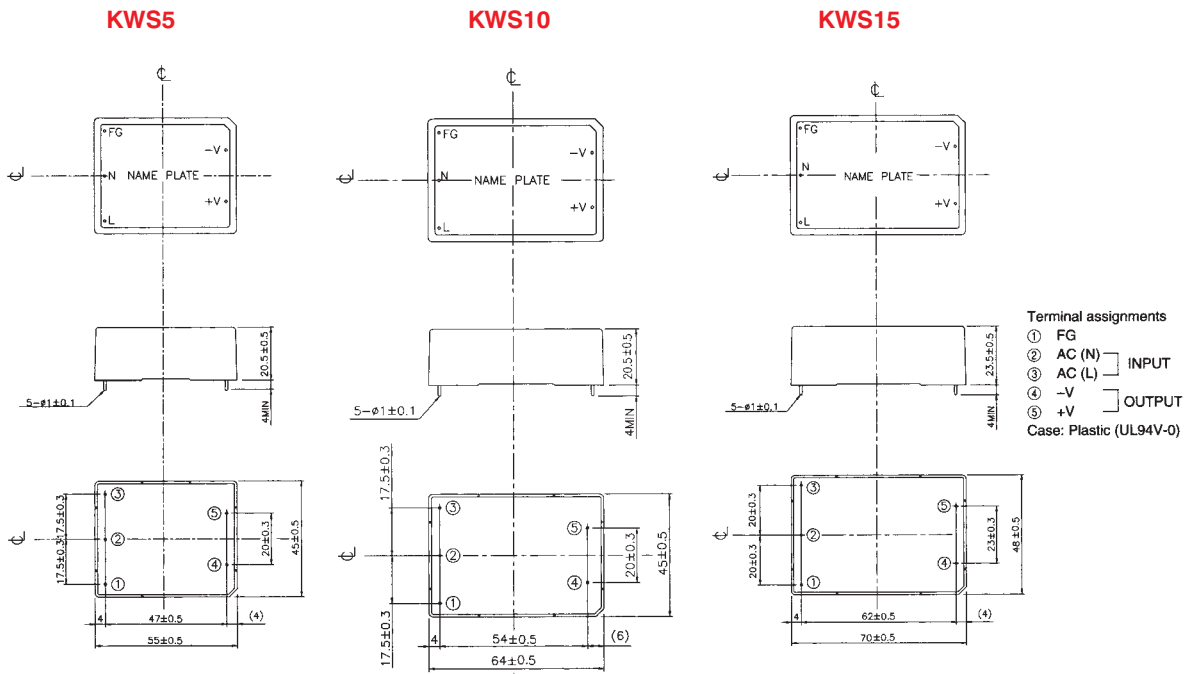
KWS/KWD SERIES

AC/DC Single & Dual Output: 5 - 15 Watts

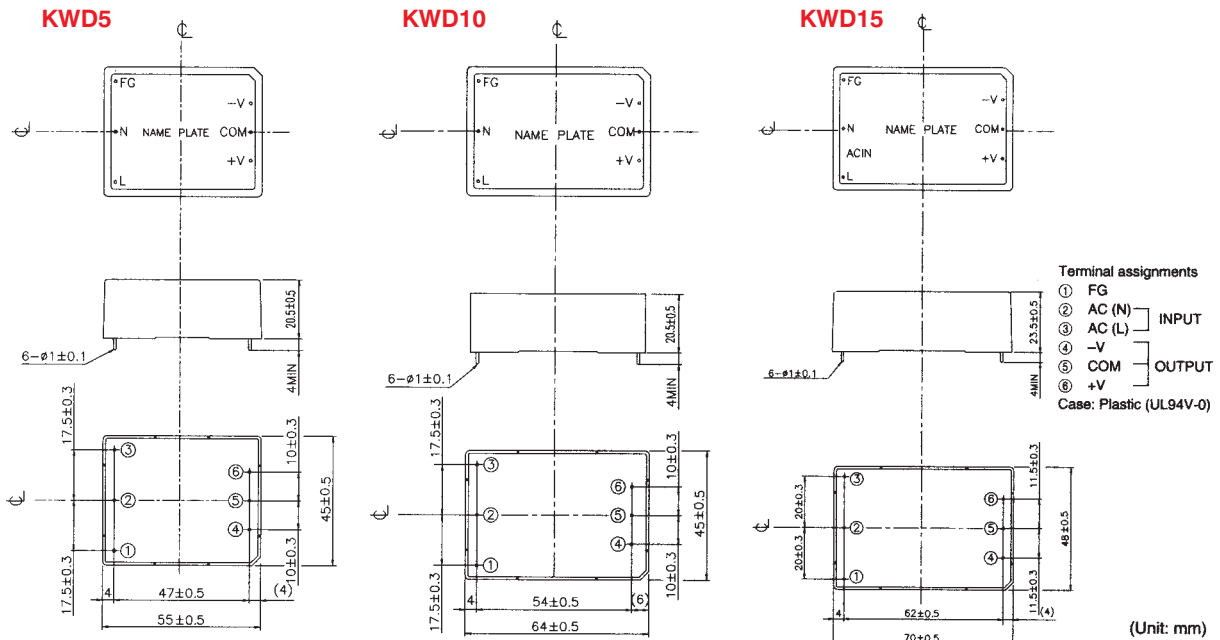
MODEL	Output		Power W
	V	A	
KWS5 - 5	5V	1.A	5W
KWS10 - 5	5V	2A	10W
KWS15 - 5	5V	3A	15W
KWS5 - 12	12V	0.45A	5W
KWS10 - 12	12V	0.9A	10W
KWS15 - 12	12V	1.3A	15W
KWS5 - 15	15V	0.35A	5W
KWS10 - 15	15V	0.7A	10W
KWS15 - 15	15V	1.A	15W

MODEL	Output		Power W
	V	A	
KWD5 - 1212	±12V	0.22A	5W
KWD10 - 1212	±12V	0.45A	10W
KWD15 - 1212	±12V	0.65A	15W
KWD5 - 1515	±15V	0.18A	5W
KWD10 - 1515	±15V	0.36A	10W
KWD15 - 1515	±15V	0.52A	15W

Dual output can be connected in series to provide 24V (±12V) and 30V (±15V)



(Unit: mm)



(Unit: mm)