

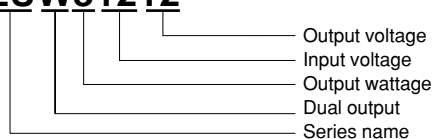
ZUW3



- Thin profile
- Isolated between input-output
- Built-in overcurrent protection circuit
- UL recognized, TÜV approved, CSA certified
- Five-year warranty

ORDERING INFORMATION

ZUW31212



SPECIFICATIONS

Output pins can be connected in series to make a 24V/30V output.

	MODEL	ZUW30512	ZUW30515	ZUW31212	ZUW31215	ZUW32412	ZUW32415	ZUW34812	ZUW34815
INPUT	VOLTAGE [V]	DC4.5~9		DC9~18		DC18~36		DC36~72	
	CURRENT [A]※1	0.891 typ	0.857 typ	0.351 typ	0.338 typ	0.176 typ	0.169 typ	0.087 typ	0.083 typ
	EFFICIENCY [%]※1	70 typ	70 typ	74 typ	74 typ	74 typ	74 typ	75 typ	75 typ
OUTPUT	VOLTAGE [V]	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)	±12 (+24)	±15 (+30)
	CURRENT [A]	0.13	0.10	0.13	0.10	0.13	0.10	0.13	0.10
	LINE REGULATION [mV]	60max	75max	60max	75max	60max	75max	60max	75max
	LOAD REGULATION [mV]	600max	750max	600max	750max	600max	750max	600max	750max
	RIPPLE [mVp-p]	120max	120max	120max	120max	120max	120max	120max	120max
	RIPPLE NOISE [mVp-p]	150max	150max	150max	150max	150max	150max	150max	150max
	TEMPERATURE COEFFICIENT -20~+55℃ [mV]	150max	180max	150max	180max	150max	180max	150max	180max
	DRIFT [mV]※2	50max	60max	50max	60max	50max	60max	50max	60max
START-UP TIME [mS]	20max (Minimum input, I _o = 100 %)								
OUTPUT VOLTAGE SET (FIXED) [V]	11.40~12.60	14.25~15.75	11.40~12.60	14.25~15.75	11.40~12.60	14.25~15.75	11.40~12.60	14.25~15.75	14.25~15.75
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105 % of rating and recovers automatically.							
ISOLATION	INPUT-OUTPUT	AC500V, 1minute, Cutoff current=10mA, DC500V, 50MΩ min. (At Room Temperature)							
	INPUT-CASE	AC500V, 1minute, Cutoff current=10mA, DC500V, 50MΩ min. (At Room Temperature)							
	OUTPUT-CASE	AC500V, 1minute, Cutoff current=10mA, DC500V, 50MΩ min. (At Room Temperature)							
ENVIRONMENT	OPERATING TEMP. AND HUMID.	-20~+71℃, 20~95%RH (Non condensing) (Refer to DERATING CURVE)							
	STORAGE TEMP. AND HUMID.	-40~+85℃, 20~95%RH (Non condensing)							
	VIBRATION	10~55Hz, 10G, 3 minutes period, 60 minutes each along X, Y and Z axis							
	IMPACT	50G, 11mS, once each X, Y and Z axis							
SAFETY	SAFETY	Recognized UL1950, approved EN60950, certified CSA C22.2 No.950, complies with IEC950							

※1 When at rated input.

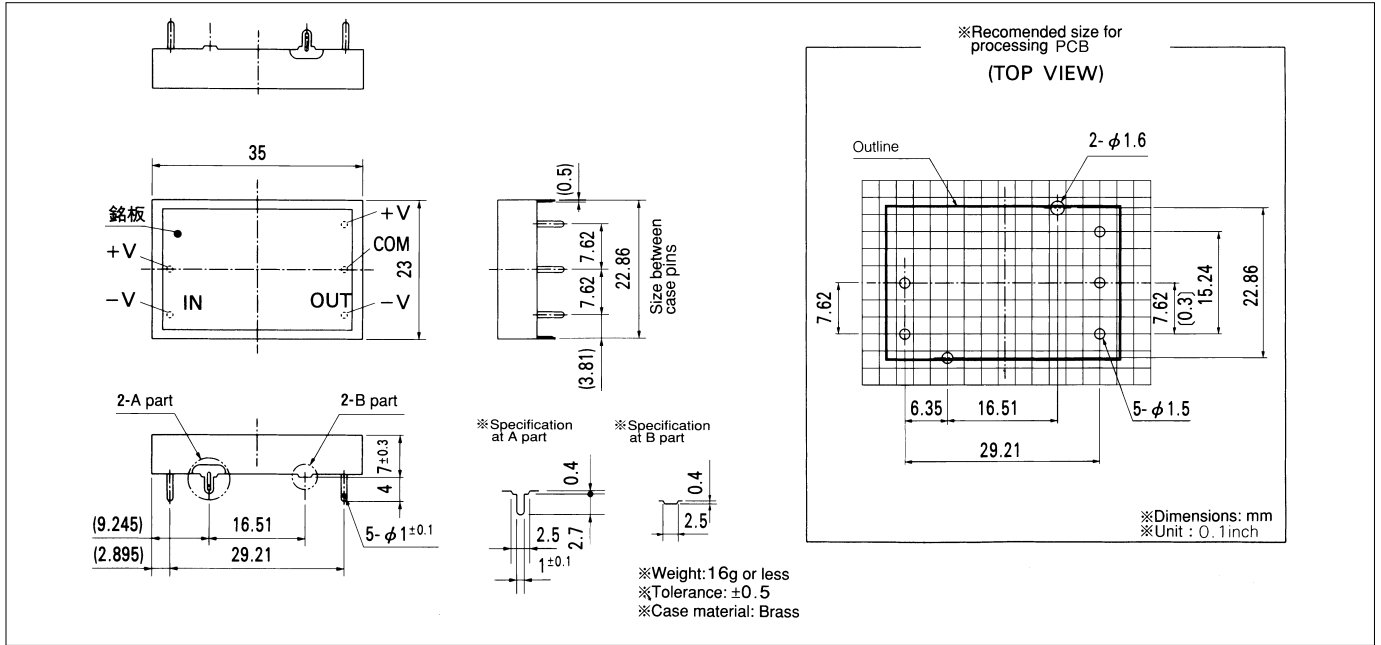
※2 The drift is a change at 25℃ of ambient temperature and 30 minutes~8 hours after the input voltage applied at rated input/output.

※ The output specification is at ±12V and ±15V.

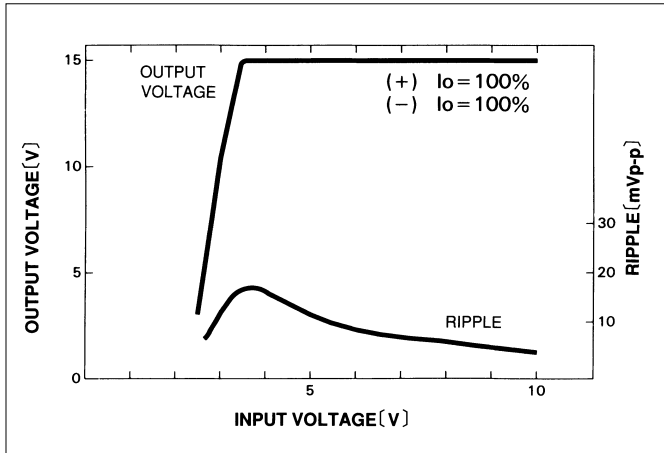
※ Series/Parallel operation with other model is not possible.

MODEL	ZUW3				ZUW3			
	0512	1212	2412	4812	0515	1215	2415	4815
MAX OUTPUT WATTAGE	3.12W				3.00W			
DC OUTPUT VOLTAGE	±12V or +24V				±15V or +30V			
DC OUTPUT CURRENT	0.13A				0.10A			

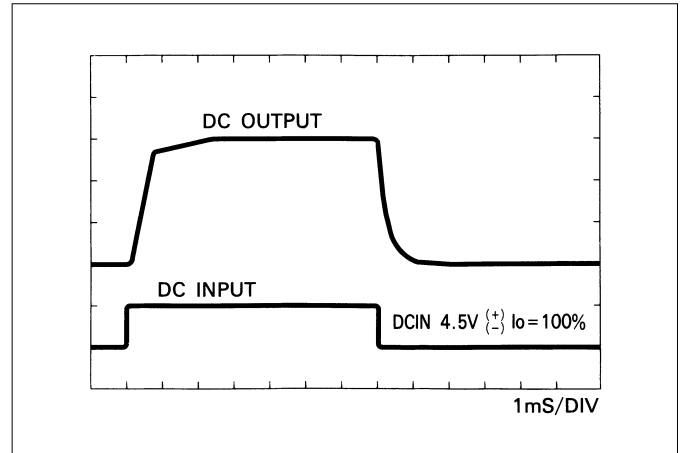
EXTERNAL VIEW



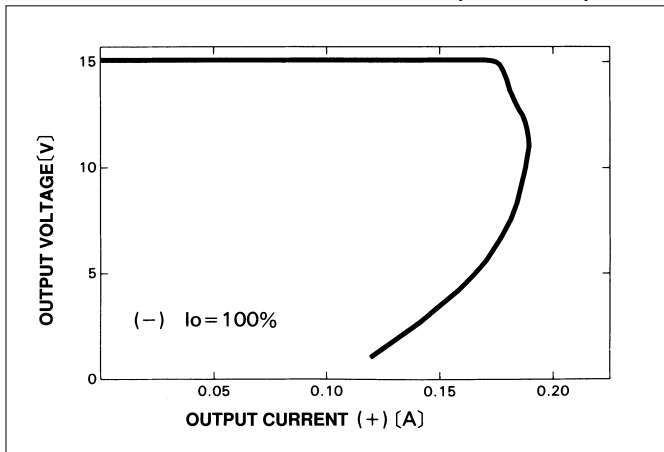
STATIC CHARACTERISTICS (ZUW30515)



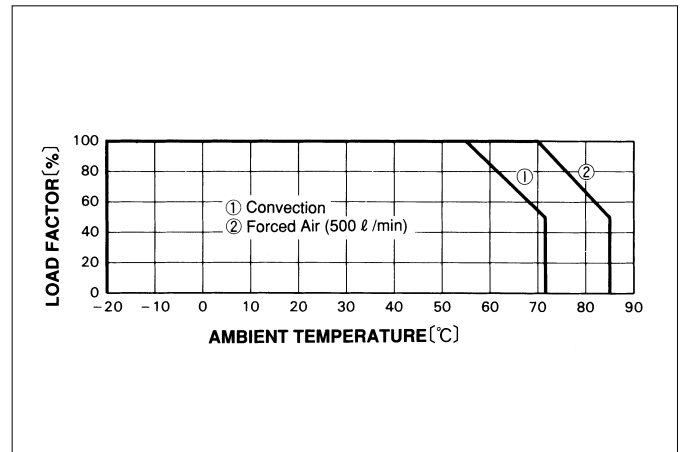
RISE TIME & FALL TIME (ZUW30515:+15V)



OVERCURRENT CHARACTERISTICS (ZUW30515)



DERATING CURVE



ZU