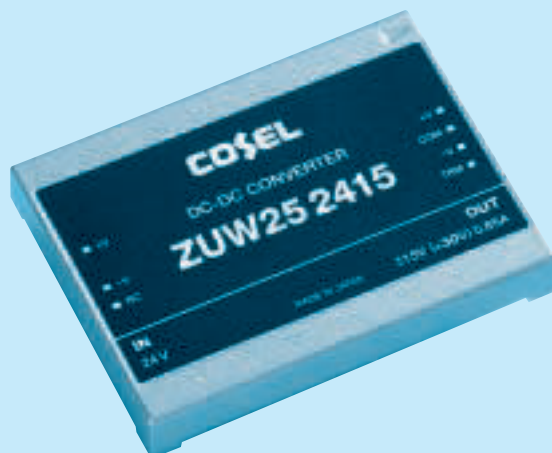




- 1 Series name
- 2 Dual output
- 3 Output wattage
- 4 Input voltage
- 5 Output voltage

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MODEL	ZUW250512	ZUW250515	ZUW251212	ZUW251215	ZUW252412	ZUW252415	ZUW254812	ZUW254815
MAX OUTPUT WATTAGE[W]	20.2	20.1	25.2	25.5	25.2	25.5	25.2	25.5
DC OUTPUT	VOLTAGE[V]	† 12 or +24	† 15 or +30	† 12 or +24	† 15 or +30	† 12 or +24	† 15 or +30	† 12 or +24
	CURRENT[A]	0.84	0.67	1.05	0.85	1.05	0.85	1.05

SPECIFICATIONS

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

	MODEL	ZUW250512	ZUW250515	ZUW251212	ZUW251215	ZUW252412	ZUW252415	ZUW254812	ZUW254815
INPUT	VOLTAGE[V]	DC4.5 - 9		DC9 - 18		DC18 - 36		DC36 - 75	
	CURRENT[A]	*1 4.92typ	4.90typ	2.47typ	2.50typ	1.23typ	1.25typ	0.62typ	0.63typ
	EFFICIENCY[%]	*1 82typ	82typ	85typ	85typ	85typ	85typ	85typ	85typ
OUTPUT	VOLTAGE[V]	† 12 (+24)	† 15 (+30)	† 12 (+24)	† 15 (+30)	† 12 (+24)	† 15 (+30)	† 12 (+24)	† 15 (+30)
	CURRENT[A]	0.84	0.67	1.05	0.85	1.05	0.85	1.05	0.85
	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]	*2 120max	120max	120max	120max	120max	120max	120max	120max
	RIPPLE NOISE[mVp-p]	*2 150max	150max	150max	150max	150max	150max	150max	150max
	TEMPERATURE REGULATION[mV]	0 to +55°C	150max	180max	150max	180max	150max	180max	150max
	DRIFT[mV]	*3 50max	60max	50max	60max	50max	60max	50max	60max
	START-UP TIME[ms]	100max (Minimum input, Io=100%)							
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Internally fixed (TRM pin open), † 5% adjustable by external VR							
PROTECTION CIRCUIT	OUTPUT VOLTAGE SETTING[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
	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically							
	OVERVOLTAGE PROTECTION	Works at 115 - 140% of rating (Total of +V and -V)							
ISOLATION	REMOTE ON/OFF	Between RC and -side of input: short - 1.2V - - - output ON, 2.4V - 5.5V(or open) - - - output OFF, Compatible to TTL							
	INPUT-OUTPUT	AC500V 1minute, Cutoff current = 10mA, DC500V 50MW min (20 † 15°C)							
	INPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50MW min (20 † 15°C)							
ENVIRONMENT	OUTPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50MW min (20 † 15°C)							
	OPERATING TEMP., HUMID. AND ALTITUDE	-20 to +71°C, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max							
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +85°C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max							
	VIBRATION	10 - 55Hz, 98.0m/s ² (10G), 3minutes period, 60minutes each along X, Y and Z axis							
SAFETY	IMPACT	490.3m/s ² (50G), 11ms, once each X, Y and Z axis							
	AGENCY APPROVALS	UL1950, EN60950, CSA C22.2 No.234 Complies with IEC60950							
OTHERS	CASE SIZE/WEIGHT	65 × 8.5 × 50mm (W × H × D) / 65g max							
	COOLING METHOD	Convection							

*1 Rated input 5V, 12V, 24V or 48V DC, Io=100%.

*2 Measured by 20MHz oscilloscope.

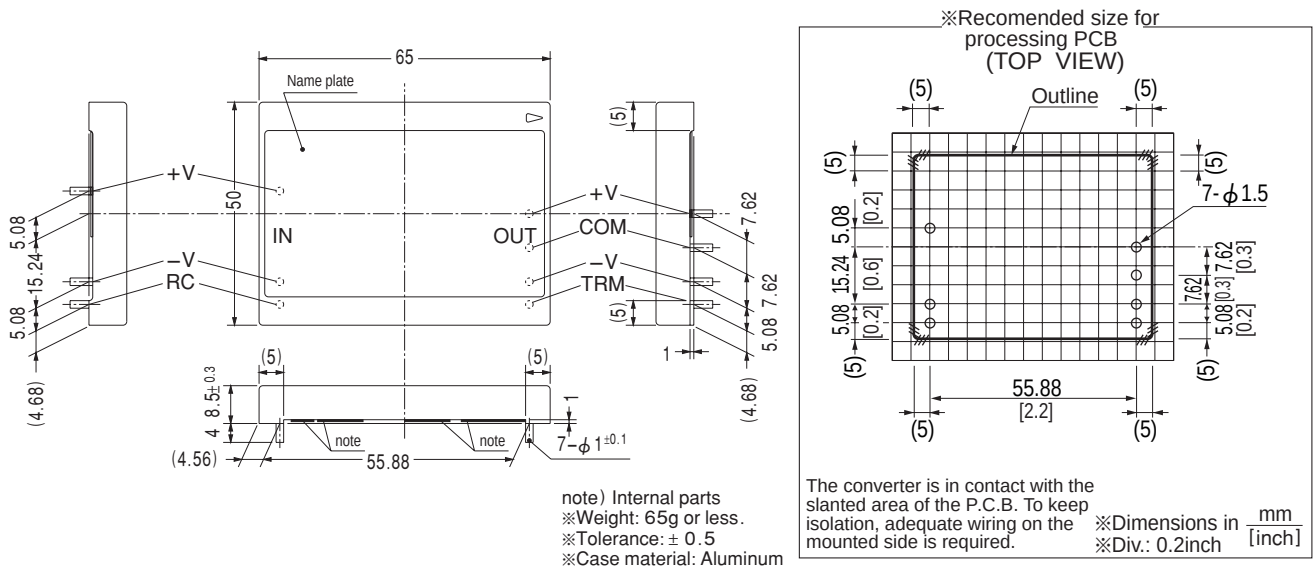
*3 The drift is a change at 25°C of ambient temperature and 30 minutes - 8 hours after the in

* The output specification is at † 12V and † 15V.

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

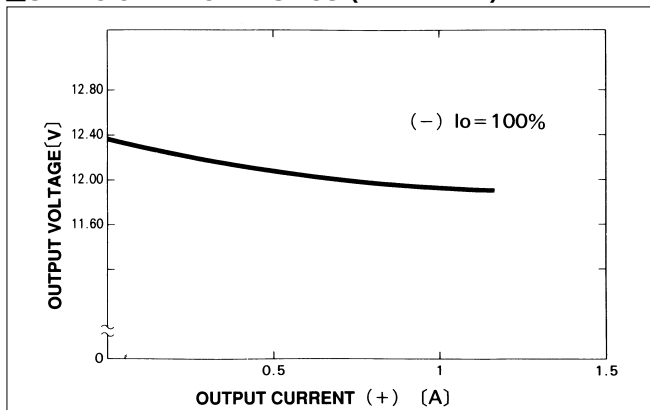
put voltage applied at rated input/output.

External view

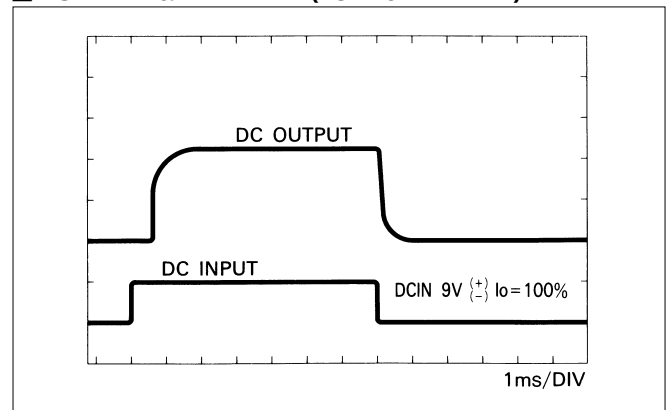


Performance data

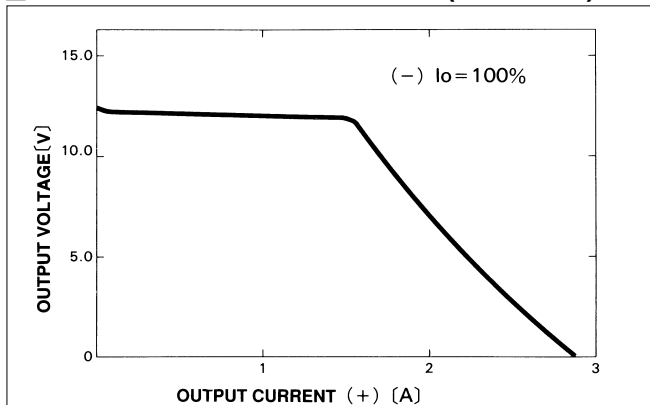
■ STATIC CHARACTERISTICS (ZUW251212)



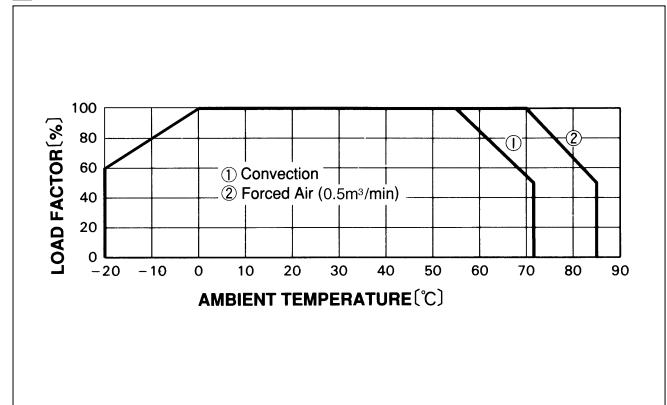
■ RISE TIME & FALL TIME (ZUW251212:+12V)



■ OVERCURRENT CHARACTERISTICS (ZUW251212)



■ DERATING CURVE



ZU/ZT