

ZUS3



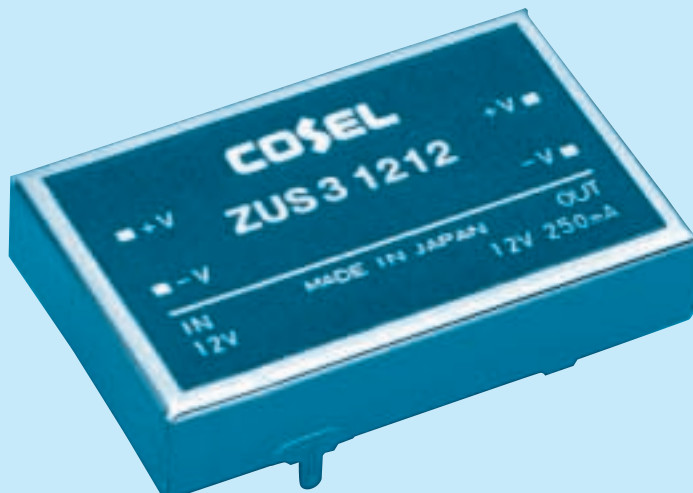
Features

- UL recognized, TV approved, CSA certified
- Isolated between input-output
- Thin profile
- Built-in Over Current Protection
- RoHS Compliant

5 year warranty(refer to Instruction Manual)

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
ZUS30505	DC 4.5 - 9	3	5V 0.6A
ZUS30512	DC 4.5 - 9	3	12V 0.25A
ZUS30515	DC 4.5 - 9	3	15V 0.2A
ZUS31205	DC 9 - 18	3	5V 0.6A
ZUS31212	DC 9 - 18	3	12V 0.25A
ZUS31215	DC 9 - 18	3	15V 0.2A
ZUS32405	DC 18 - 36	3	5V 0.6A
ZUS32412	DC 18 - 36	3	12V 0.25A
ZUS32415	DC 18 - 36	3	15V 0.2A
ZUS34805	DC 36 - 72	3	5V 0.6A
ZUS34812	DC 36 - 72	3	12V 0.25A
ZUS34815	DC 36 - 72	3	15V 0.2A

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



MODEL	ZUS30505	ZUS30512	ZUS30515	ZUS31205	ZUS31212	ZUS31215	ZUS32405	ZUS32412	ZUS32415	ZUS34805	ZUS34812	ZUS34815
MAX OUTPUT WATTAGE[W]	3	3	3	3	3	3	3	3	3	3	3	3
DC OUTPUT	VOLTAGE[V]	5	12	15	5	12	15	5	12	15	5	12
	CURRENT[A]	0.60	0.25	0.20	0.60	0.25	0.20	0.60	0.25	0.20	0.60	0.25

SPECIFICATIONS

	MODEL	ZUS30505	ZUS30512	ZUS30515	ZUS31205	ZUS31212	ZUS31215	ZUS32405	ZUS32412	ZUS32415	ZUS34805	ZUS34812	ZUS34815
INPUT	VOLTAGE[V]	DC4.5 - 9			DC9 - 18			DC18 - 36			DC36 - 72		
	CURRENT[A]	*1 0.896typ	0.857typ	0.857typ	0.357typ	0.338typ	0.338typ	0.176typ	0.167typ	0.167typ	0.088typ	0.082typ	0.082typ
	EFFICIENCY[%]	*1 67typ	70typ	70typ	70typ	74typ	74typ	71typ	75typ	75typ	71typ	76typ	76typ
OUTPUT	VOLTAGE[V]	5	12	15	5	12	15	5	12	15	5	12	15
	CURRENT[A]	0.60	0.25	0.20	0.60	0.25	0.20	0.60	0.25	0.20	0.60	0.25	0.20
	LINE REGULATION[mV]	20max	48max	60max	20max	48max	60max	20max	48max	60max	20max	48max	60max
	LOAD REGULATION[mV]	40max	100max	120max	40max	100max	120max	40max	100max	120max	40max	100max	120max
	RIPPLE[mVp-p]	*2 80max	120max	120max	80max	120max	120max	80max	120max	120max	80max	120max	120max
	RIPPLE NOISE[mVp-p]	*2 120max	150max	150max	120max	150max	150max	120max	150max	150max	120max	150max	150max
	TEMPERATURE REGULATION[mV]	-20 to +55°C	50max	150max	180max	50max	150max	180max	50max	150max	180max	50max	150max
	DRIFT[mV]	*3 20max	48max	60max	20max	48max	60max	20max	48max	60max	20max	48max	60max
	START-UP TIME[ms]	20max (Minimum input, lo=100%)											
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed											
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	4.85 - 5.25 11.40 - 12.60 14.25 - 15.75 4.85 - 5.25 11.40 - 12.60 14.25 - 15.75 4.85 - 5.25 11.40 - 12.60 14.25 - 15.75 4.85 - 5.25 11.40 - 12.60 14.25 - 15.75											
ISOLATION	INPUT-OUTPUT	Works over 105% of rating and recovers automatically											
	INPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)											
	OUTPUT-CASE	AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)											
ENVIRONMENT	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											
	IMPACT	490.3m/s ² (50G), 11ms, once each X, Y and Z axis											
SAFETY	AGENCY APPROVALS	UL60950-1, EN60950-1, CSA C22.2 No.60950-1 Complies with IEC60950-1											
OTHERS	CASE SIZE/WEIGHT	35×7×23mm (W×H×D) / 16g max											
	COOLING METHOD	Convection											

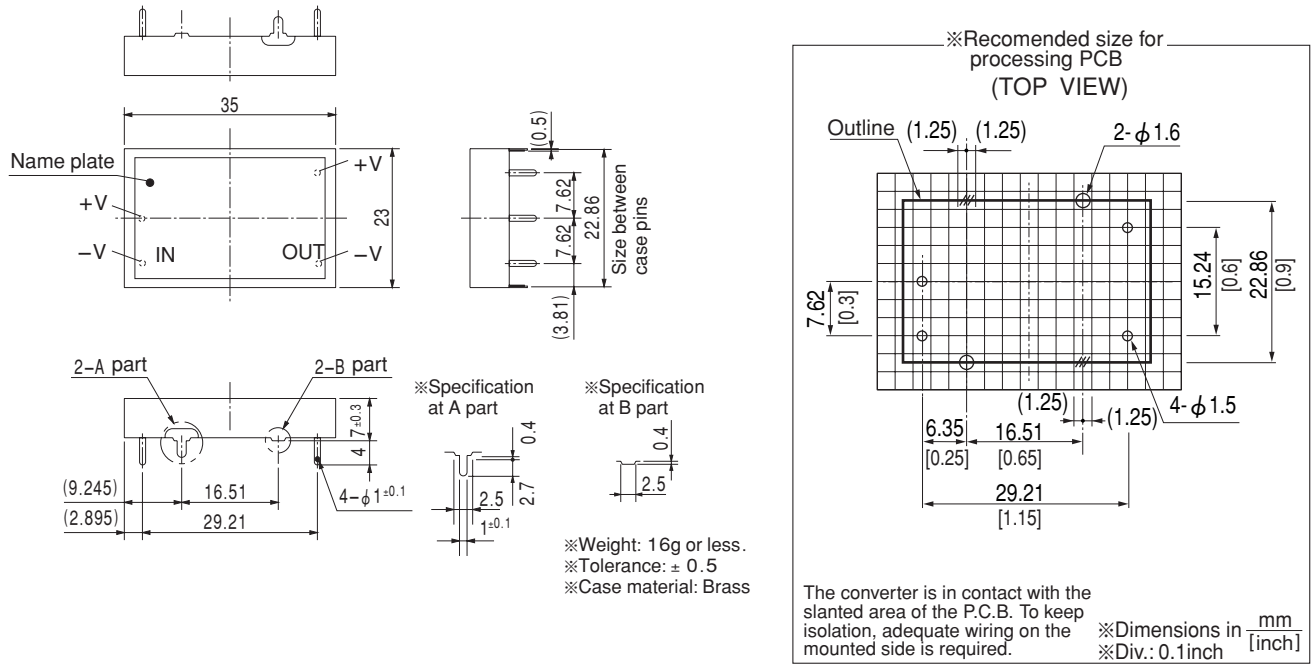
*1 Rated input. 5V, 12V, 24V or 48V DC, lo=100%

*2 Measured by 20MHz oscilloscope.

*3 The drift is a change at 25°C of ambient temperature and 30 minutes - 8 hours after the input voltage applied at rated input/output.

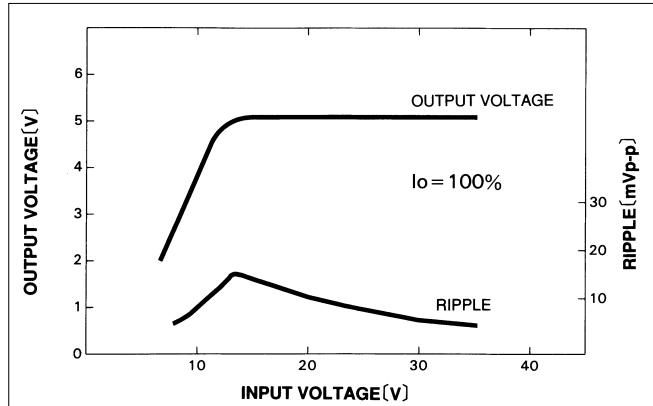
* Series/Parallel operation with other model is not possible.

External view

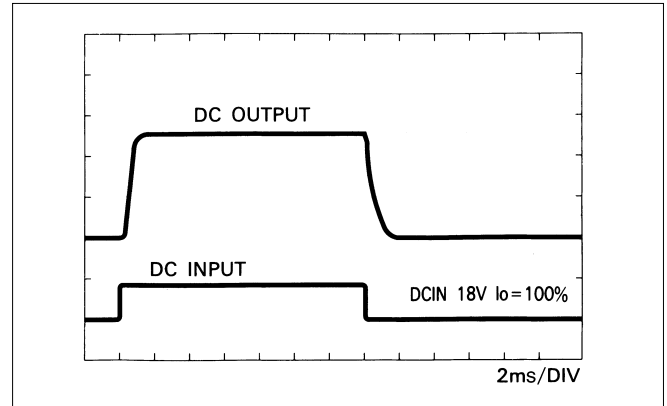


Performance data

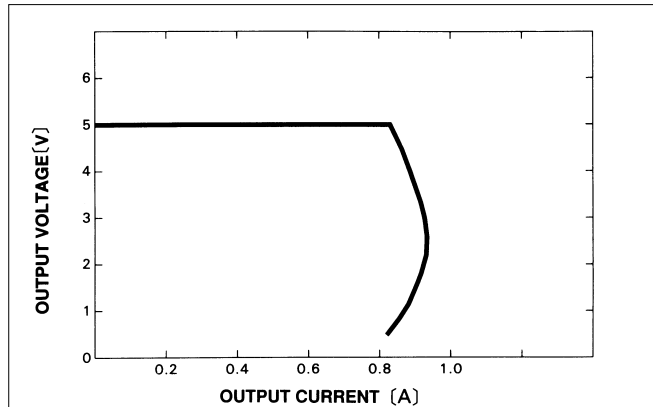
■STATIC CHARACTERISTICS (ZUS32405)



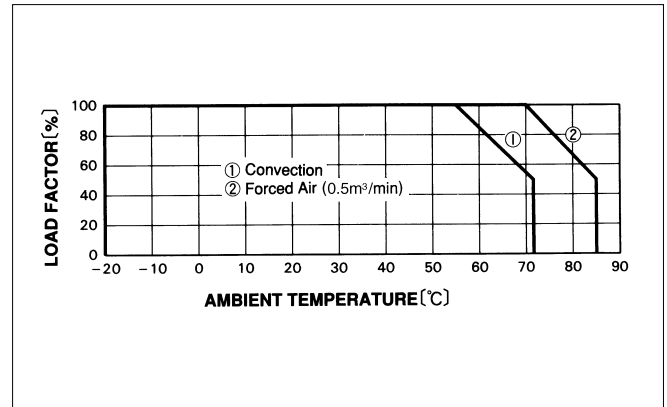
■RISE TIME & FALL TIME (ZUS32405)



■OVERCURRENT CHARACTERISTICS (ZUS32405)



■DERATING CURVE



ZU/ZT