

COSEL AC-DC Power Supplies PCB Mount type

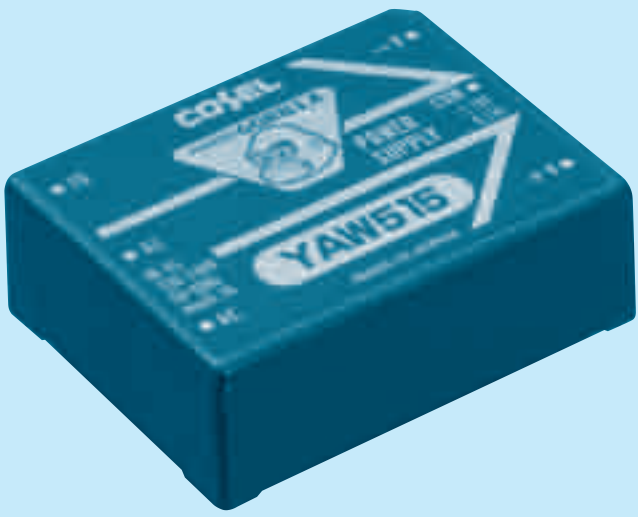
YAW5

Ordering information

Y A W 5 12 E

① ② ③ ④ ⑤

UL[®]us SP[®] TÜV Rheinland CE
RoHS



① Series name
② Dual output
③ Output wattage
④ Output voltage
⑤ UL recognized, TÜV approved CSA certified: E

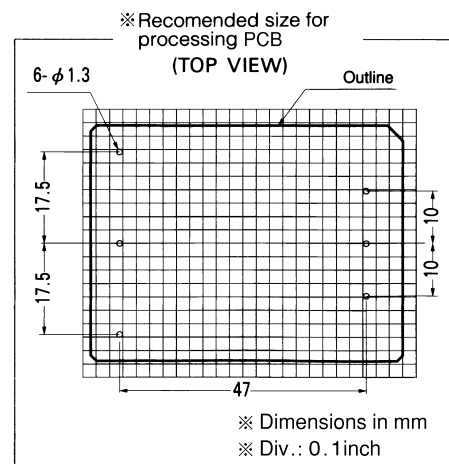
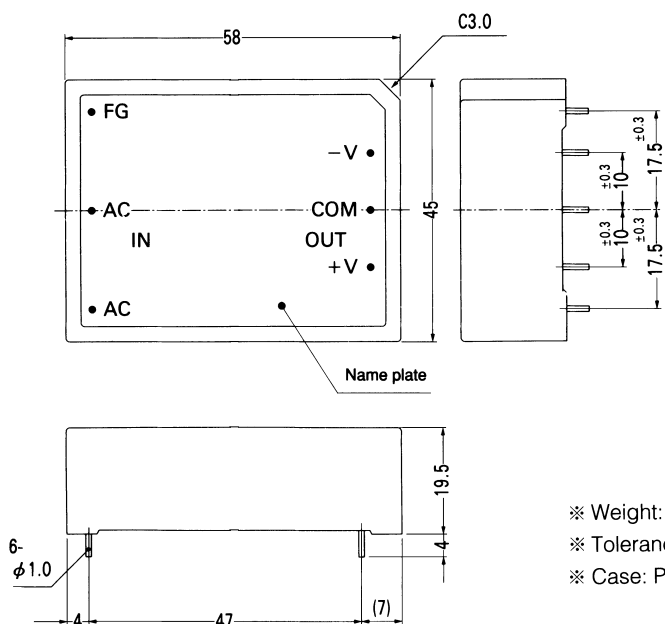
MODEL	YAW512	YAW515
MAX OUTPUT WATTAGE[W]	5.28	5.10
DC OUTPUT	*1 ±12V 0.22A or +24V 0.22A	±15V 0.17A or +30V 0.17A

SPECIFICATIONS

	MODEL	YAW512	YAW515
INPUT	VOLTAGE[V]	AC85 - 264 1ϕ or DC110 - 370	
	CURRENT[A]	ACIN 200V	0.07typ (Io=100%)
	FREQUENCY[Hz]	47 - 440 or DC	
	EFFICIENCY[%]	ACIN 100V	67typ (Io=100%)
	INRUSH CURRENT[A]	ACIN 100V	20typ (Io=100%)
		ACIN 200V	40typ (Io=100%)
OUTPUT	VOLTAGE[V]	±12 (+24)	±15 (+30)
	CURRENT[A]	0.22	0.17
	LINE REGULATION[mV]	60max	75max
	LOAD REGULATION[mV]	600max	750max
	RIPPLE[mVp-p]	*2 120max	120max
	RIPPLE NOISE[mVp-p]	*2 150max	150max
	TEMPERATURE REGULATION[mV]	0 to +55℃	150max
	TEMPERATURE REGULATION[mV]	180max	
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed	
	OUTPUT VOLTAGE SETTING[%]	±5max (Rated input/output, Ta=25℃)	
PROTECTION CIRCUIT	HOLD-UP TIME[ms]	10typ (ACIN 85V, Io=100%)	
	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically	
ISOLATION	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 15mA, DC500V 50MΩmin (At Room Temperature)	
	INPUT-FG	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)	
	OUTPUT-FG	AC500V 1minute, Cutoff current=100mA, DC500V 50MΩmin (At Room Temperature)	
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +70℃, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max	
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75℃, 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 AND NOISE REGULATIONS	AGENCY APPROVALS	UL60950-1, EN60950-1, EN50178, CSA C22.2 No.60950-1 Complies with IEC60950-1	
	CONDUCTED NOISE	Complies with FCC-B, VCCI-B, Additional capacitors required for meeting CISPR22-B, EN55022-B (External Fuse is required)	

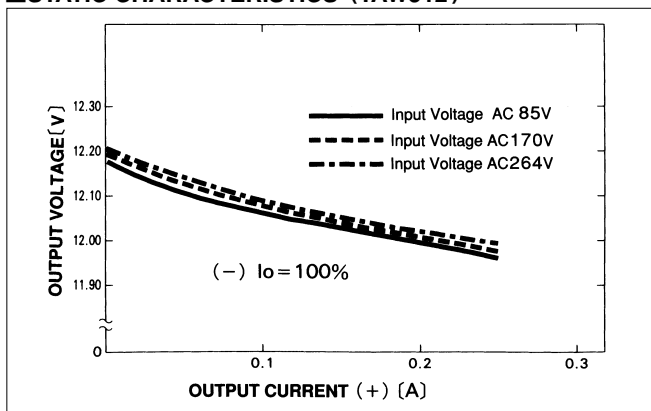
*1 Output pins can be connected in series to make a 24V/30V output.
*2 Measured by 20MHz oscilloscope.
* The output specification is at ±12V and ±15V.
* Parallel operation with other model is not possible.

External view

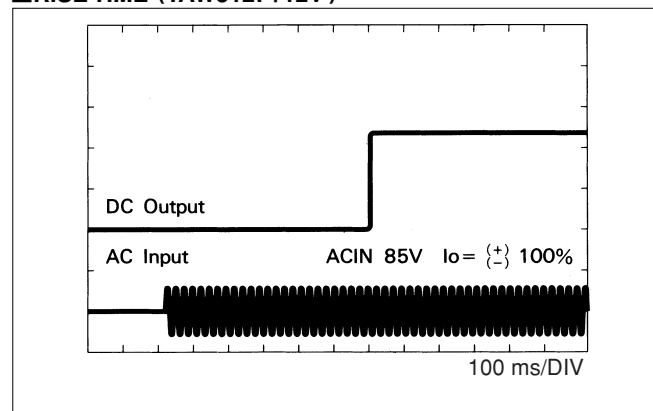


Performance data

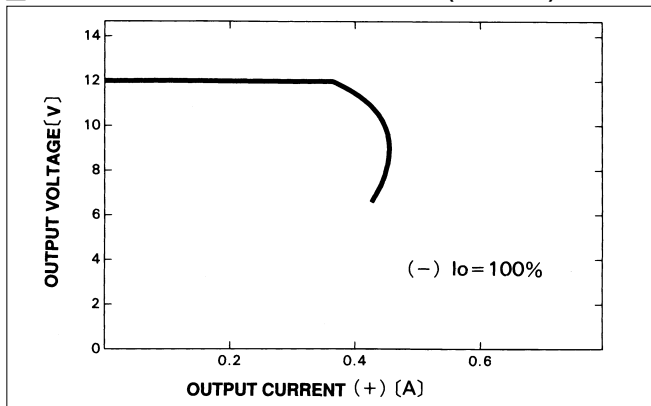
■ STATIC CHARACTERISTICS (YAW512)



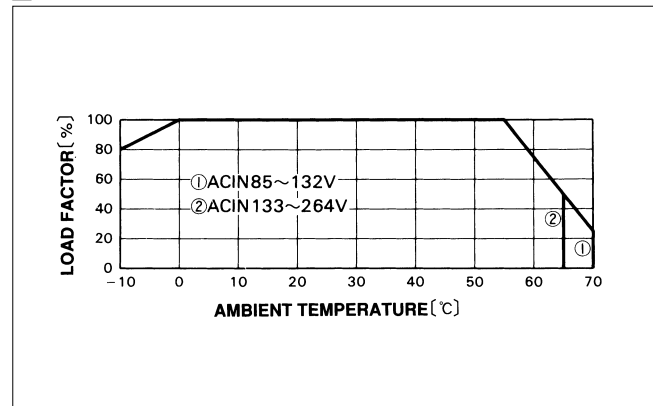
■ RISE TIME (YAW512: +12V)



■ OVERCURRENT CHARACTERISTICS (YAW512)



■ DERATING CURVE



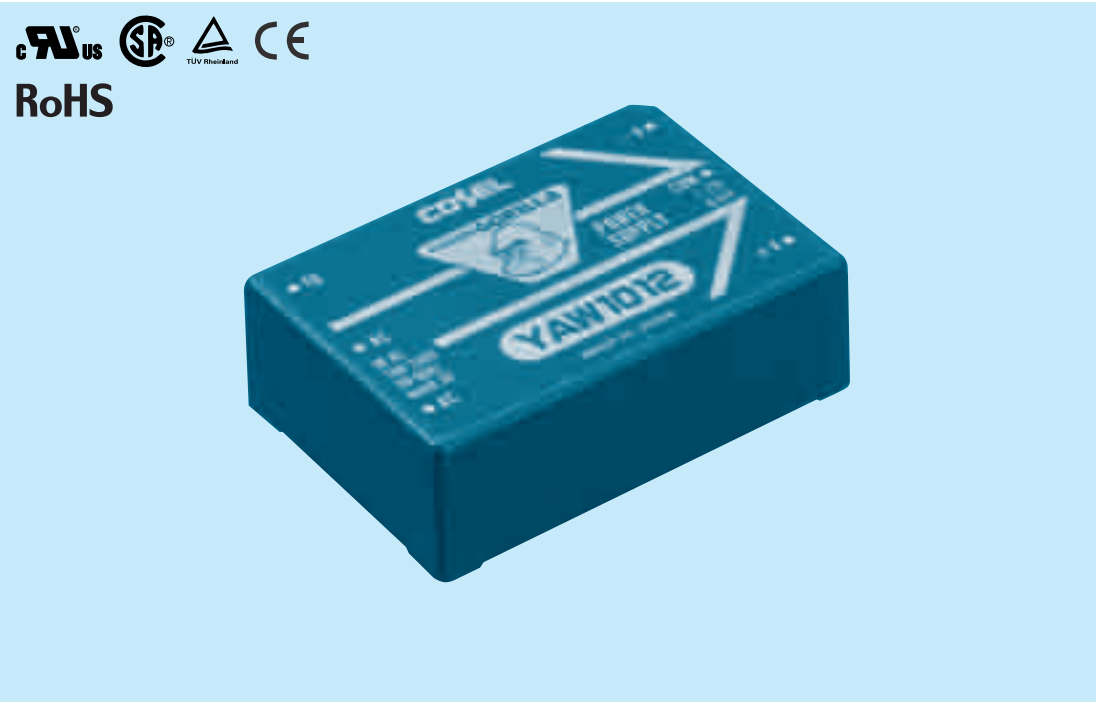
COSEL AC-DC Power Supplies PCB Mount type

YAW10

Ordering information

YAW1012E

①②③④⑤



- ①Series name
- ②Dual output
- ③Output wattage
- ④Output voltage
- ⑤UL recognized,TÜV approved CSA certified:E

MODEL	YAW1012	YAW1015
MAX OUTPUT WATTAGE[W]	10.8	10.5
DC OUTPUT	*1 ±12V 0.45A or +24V 0.45A	±15V 0.35A or +30V 0.35A

SPECIFICATIONS

	MODEL	YAW1012	YAW1015
INPUT	VOLTAGE[V]	AC85 - 264 1 φ or DC110 - 370	
	CURRENT[A]	ACIN 200V	0.14typ (Io=100%)
	FREQUENCY[Hz]	47 - 440 or DC	
	EFFICIENCY[%]	ACIN 100V	72typ (Io=100%)
	INRUSH CURRENT[A]	ACIN 100V	20typ (Io=100%)
		ACIN 200V	40typ (Io=100%)
YA OUTPUT	VOLTAGE[V]	±12 (+24)	±15 (+30)
	CURRENT[A]	0.45	0.35
	LINE REGULATION[mV]	60max	75max
	LOAD REGULATION[mV]	600max	750max
	RIPPLE[mVp-p]	*2 120max	120max
	RIPPLE NOISE[mVp-p]	*2 150max	150max
	TEMPERATURE REGULATION[mV]	0 to +55℃	150max
	TEMPERATURE REGULATION[mV]	180max	
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed	
	OUTPUT VOLTAGE SETTING[%]	±5max (Rated input/output, Ta=25℃)	
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ISOLATION	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 15mA, DC500V 50MΩmin (At Room Temperature)	
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	OUTPUT-FG	AC500V 1minute, Cutoff current=100mA, DC500V 50MΩmin (At Room Temperature)	
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE	-10 to +70℃, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max	
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