

# YAW10



**Features**

- Universal input (AC85-264V)
- Small and compact size
- Built-in Inrush Current Protection
- P.C. board mount AC/DC converter
- S.M.T.(Surface Mount Technology)implemented for smaller and lighter weight
- Built-in Over Voltage Protection
- RoHS Compliant

**Safety Agency Approvals**

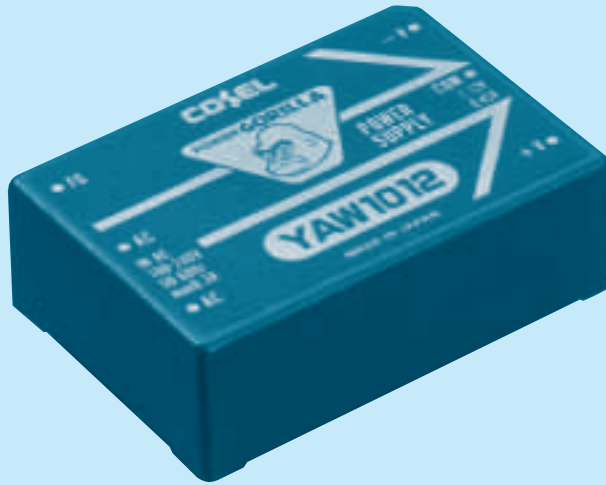
UL recognized, TUV approved, CSA certified

**EMI Compliance**

- (External Fuse is required)
- Complies with FCC-B, VDE-B, VCCI-B
- Additional capacitors required for meeting VDE-B

**2 year warranty(refer to Instruction Manual)**

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
YAW1012	DC 110 - 370 AC 85 - 264	10.8	-12 - 24V 0.45A
YAW1015	DC 110 - 370 AC 85 - 264	10.5	-15 - 30V 0.35A



- ① Series name  
 ② Dual output  
 ③ Output wattage  
 ④ Output voltage  
 ⑤ UL 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°C	150max
	TEMPERATURE REGULATION[mV]	180max	
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed	
	OUTPUT VOLTAGE SETTING[%]	±5max (Rated input/output, Ta=25°C)	
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°C, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max	
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75°C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max	
	VIBRATION	10 - 55Hz, 98.0m/s <sup>2</sup> (10G), 3minutes period, 60minutes each along X, Y and Z axis	
	IMPACT	490.3m/s <sup>2</sup> (50G), 11ms, once each X, Y and Z axis	
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS	UL60950-1, EN60950-1, EN50178, CSA C22.2 No.234 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)	

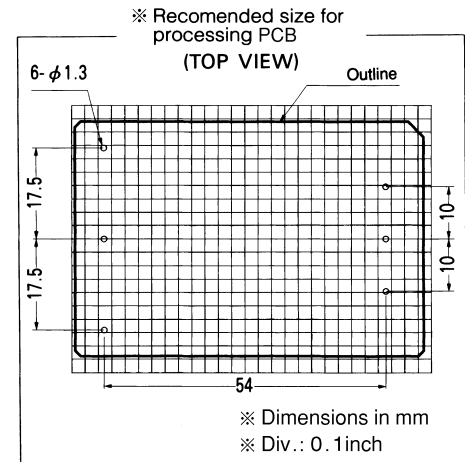
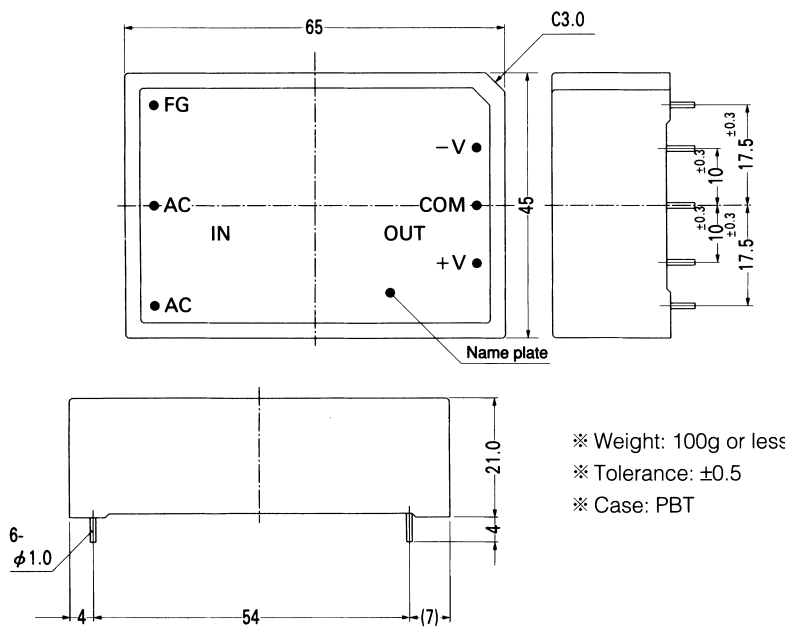
\*1 Output pins can be connected in series to make a 24V/30V output.

\*2 Measured by 20MHz oscilloscope.

\* The output specification is at ±12V and ±15V.

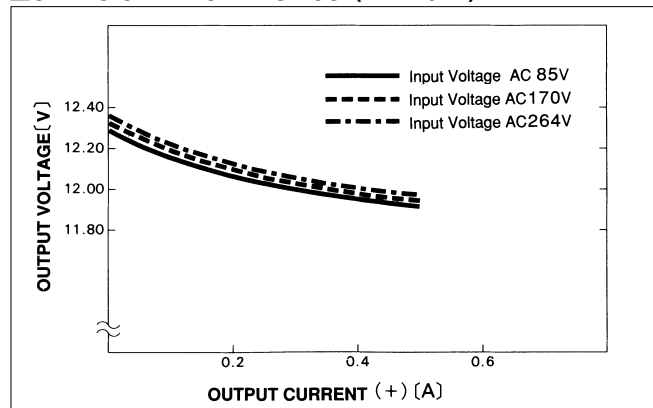
\* Parallel operation with other model is not possible.

## External view

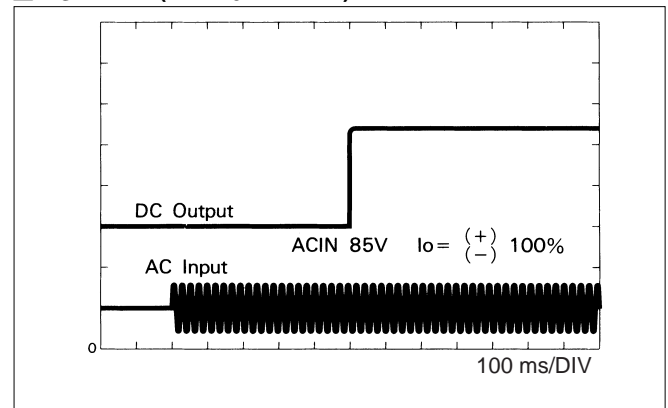


## Performance data

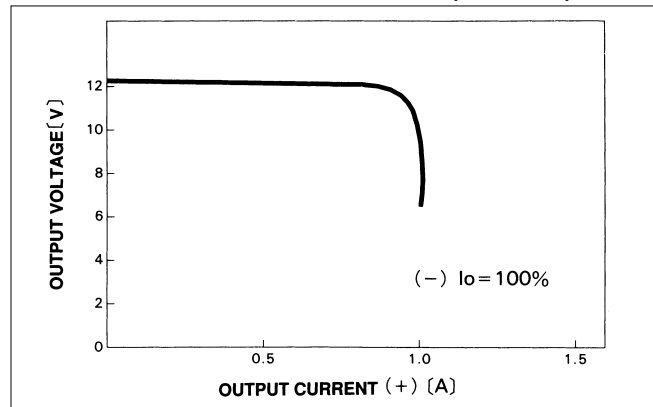
### ■ STATIC CHARACTERISTICS (YAW1012)



### ■ RISE TIME (YAW1012: +12V)



### ■ OVERCURRENT CHARACTERISTICS (YAW1012)



### ■ DERATING CURVE

