

[Home](#) > Product Details

## 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

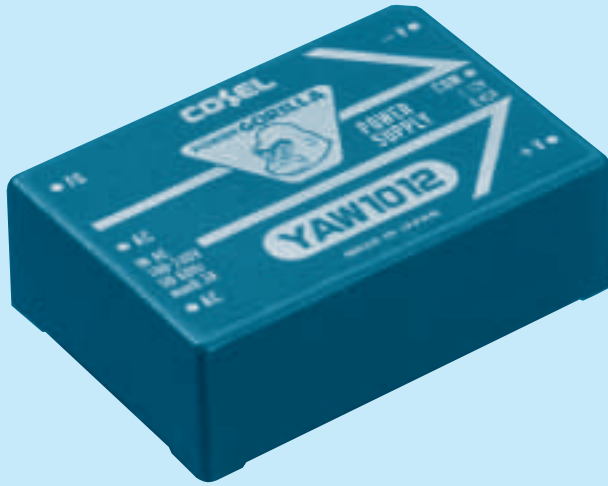
UL recognized, TUV approved, CSA certified

### 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 GSA certified: E

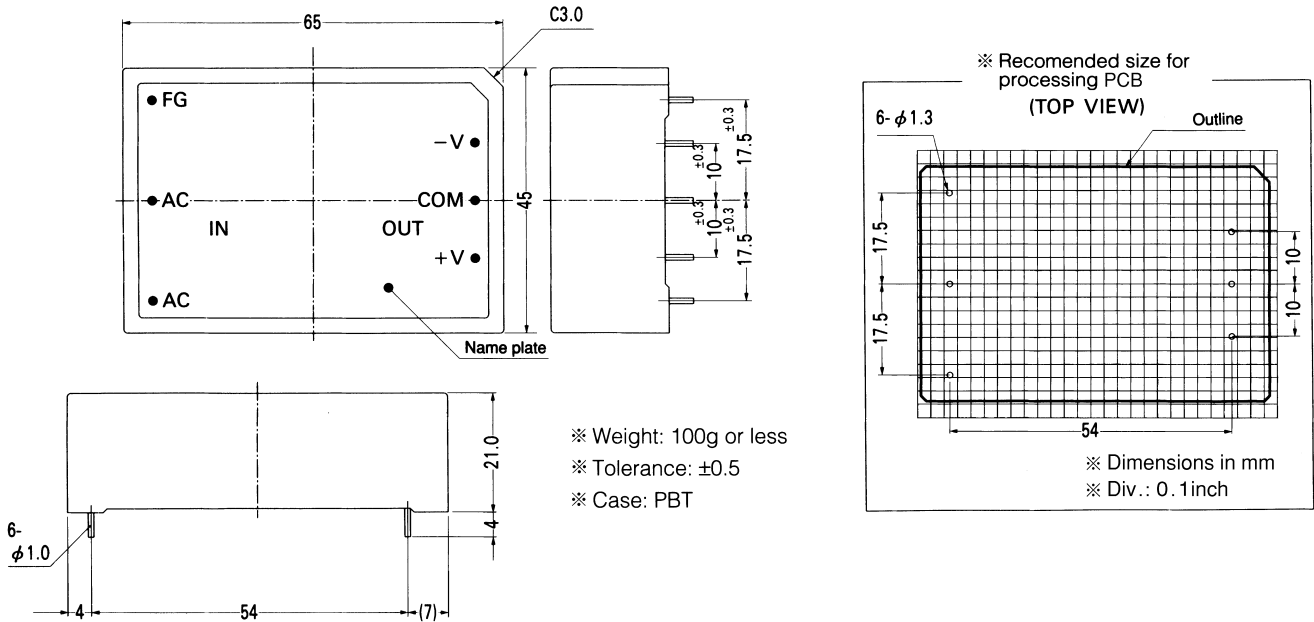
<b>MODEL</b>	<b>YAW1012</b>	<b>YAW1015</b>
<b>MAX OUTPUT WATTAGE[W]</b>	<b>10.8</b>	<b>10.5</b>
<b>DC OUTPUT</b>	*1 <b>±12V 0.45A or +24V 0.45A</b>	<b>±15V 0.35A or +30V 0.35A</b>

**SPECIFICATIONS**

	MODEL	YAW1012	YAW1015
<b>INPUT</b>	<b>VOLTAGE[V]</b>	AC85 - 264 1 φ or DC110 - 370	
	<b>CURRENT[A]</b>	ACIN 200V	0.14typ (Io=100%)
	<b>FREQUENCY[Hz]</b>		47 - 440 or DC
	<b>EFFICIENCY[%]</b>	ACIN 100V	72typ (Io=100%)
	<b>INRUSH CURRENT[A]</b>	ACIN 100V	20typ (Io=100%)
		ACIN 200V	40typ (Io=100%)
<b>OUTPUT</b>	<b>VOLTAGE[V]</b>	±12 (+24)	±15 (+30)
	<b>CURRENT[A]</b>	0.45	0.35
	<b>LINE REGULATION[mV]</b>	60max	75max
	<b>LOAD REGULATION[mV]</b>	600max	750max
	<b>RIPPLE[mVp-p]</b>	*2 120max	120max
	<b>RIPPLE NOISE[mVp-p]</b>	*2 150max	150max
	<b>TEMPERATURE REGULATION[mV]</b>	0 to +55°C	180max
	<b>OUTPUT VOLTAGE ADJUSTMENT RANGE[V]</b>	Fixed	
	<b>OUTPUT VOLTAGE SETTING[%]</b>	±5max (Rated input/output, Ta=25 °C)	
<b>HOLD-UP TIME[ms]</b>	10typ (ACIN 85V, Io=100%)		
<b>PROTECTION CIRCUIT</b>	<b>OVERCURRENT PROTECTION</b>	Works over 105% of rating and recovers automatically	
<b>ISOLATION</b>	<b>INPUT-OUTPUT</b>	AC3.000V 1minute, Cutoff current = 15mA, DC500V 50MΩmin (At Room Temperature)	
	<b>INPUT-FG</b>	AC2.000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)	
	<b>OUTPUT-FG</b>	AC500V 1minute, Cutoff current=100mA, DC500V 50MΩmin (At Room Temperature)	
<b>ENVIRONMENT</b>	<b>OPERATING TEMP., HUMID. AND ALTITUDE</b>	-10 to +70°C, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max	
	<b>STORAGE TEMP., HUMID. AND ALTITUDE</b>	-20 to +75°C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max	
	<b>VIBRATION</b>	10 - 55Hz, 98.0m/s <sup>2</sup> (10G), 3minutes period, 60minutes each along X, Y and Z axis	
	<b>IMPACT</b>	490.3m/s <sup>2</sup> (50G), 11ms, once each X, Y and Z axis	
<b>SAFETY AND NOISE REGULATIONS</b>	<b>AGENCY APPROVALS</b>	UL60950-1, EN60950-1, EN50178, CSA C22.2 No.234 Complies with IEC60950-1	
	<b>CONDUCTED NOISE</b>	Complies with FCC-B, VCCI-B, Additional capacitors required for meeting CISPR22-B, EN55022-B (External Fuse is required)	

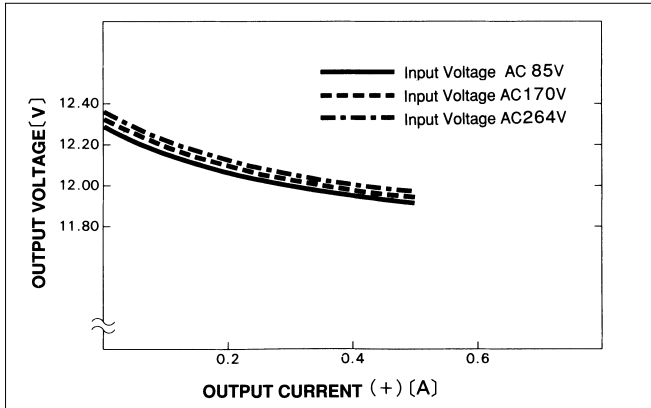
\*1 Output pins can be connected in series to make a 24V/30V output.  
 \*2 Measured by 20MHz oscilloscope.  
 \* The output specification is at ±12V and ±15V.  
 \* Parallel operation with other model is not possible.

External view

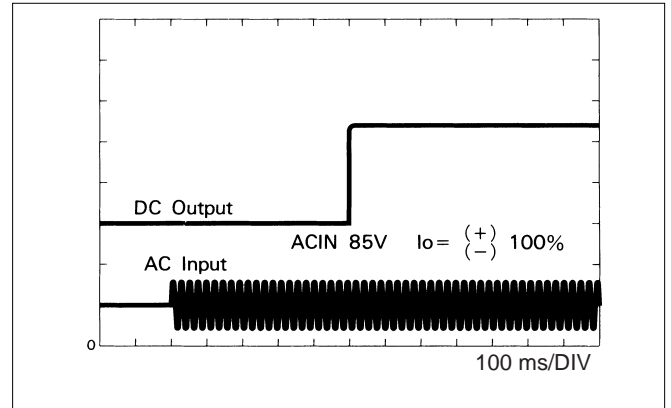


Performance data

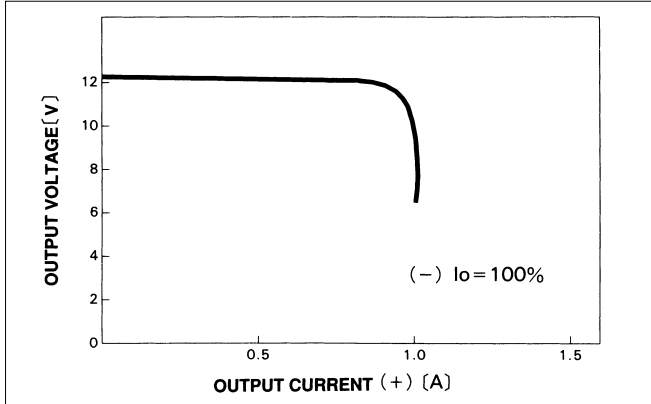
■ STATIC CHARACTERISTICS (YAW1012)



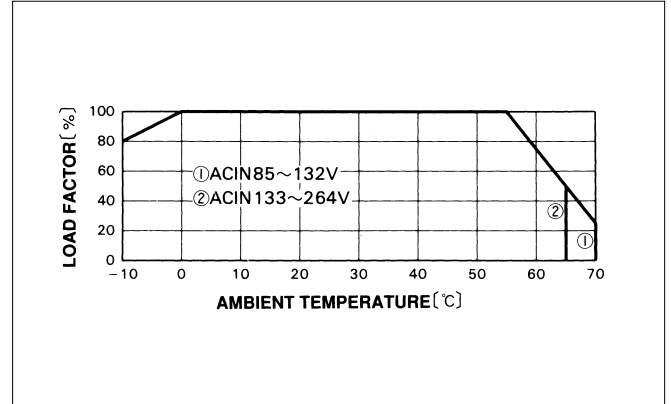
■ RISE TIME (YAW1012: +12V)



■ OVERCURRENT CHARACTERISTICS (YAW1012)



■ DERATING CURVE



YA