



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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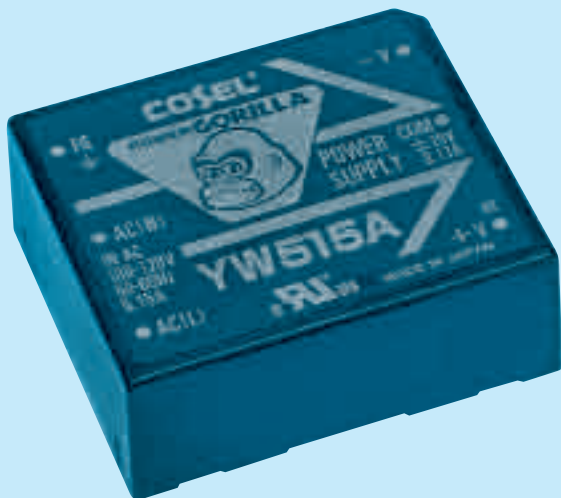


YW5

Y W 5 12A

① ② ③ ④

RoHS



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

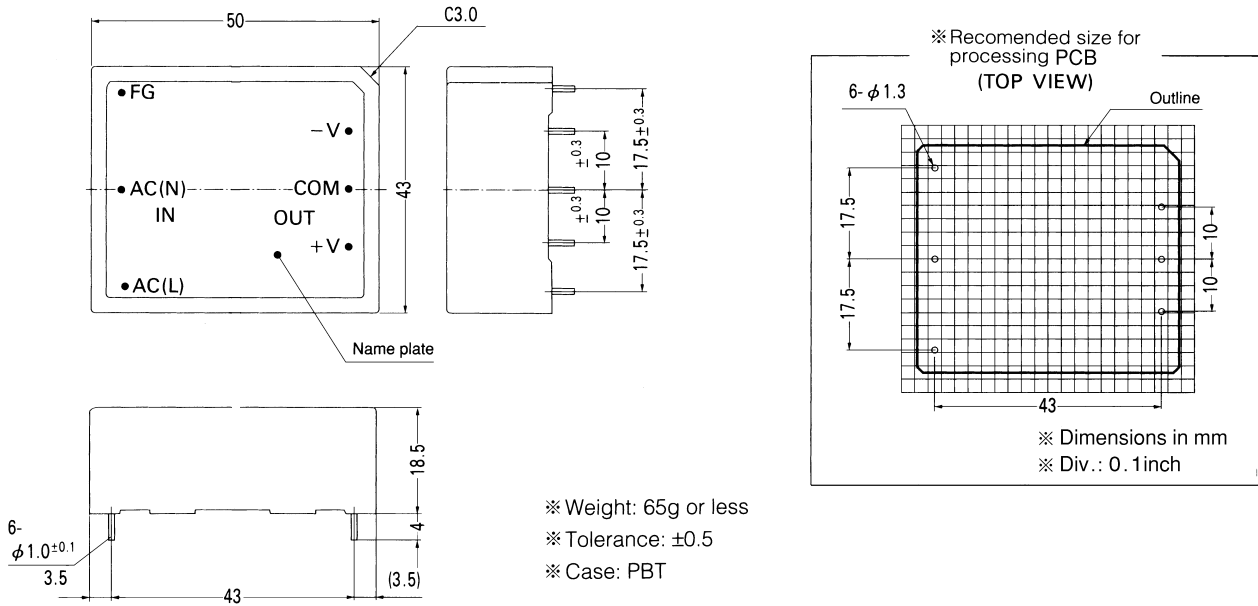
MODEL	YW512A	YW515A
MAX OUTPUT WATTAGE[W]	5.28	5.10
DC OUTPUT	*1 ±12V 0.22A or +24V 0.22A	±15V 0.17A or +30V 0.17A

SPECIFICATIONS

	MODEL	YW512A	YW515A
INPUT	VOLTAGE[V]	AC85 - 132 1 φ or DC110 - 170	
	CURRENT[A]	ACIN 100V	0.15typ (Io=100%)
	FREQUENCY[Hz]	47 - 440 or DC	
	EFFICIENCY[%]	ACIN 100V	70typ (Io=100%)
	INRUSH CURRENT[A]	ACIN 100V	15typ (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°C	180max
	START-UP TIME[ms]	200max (ACIN 85V, Io=100%)	
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed	
	OUTPUT VOLTAGE SETTING[%]	±5max (Rated input/output, Ta=25 °C)	
HOLD-UP TIME[ms]	10typ (ACIN 85V, Io=100%)		
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically	
ISOLATION	INPUT-FG, OUTPUT	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 ² (10G), 3minutes period, 30minutes 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, C-UL	
	CONDUCTED NOISE	Complies with FCC-B	

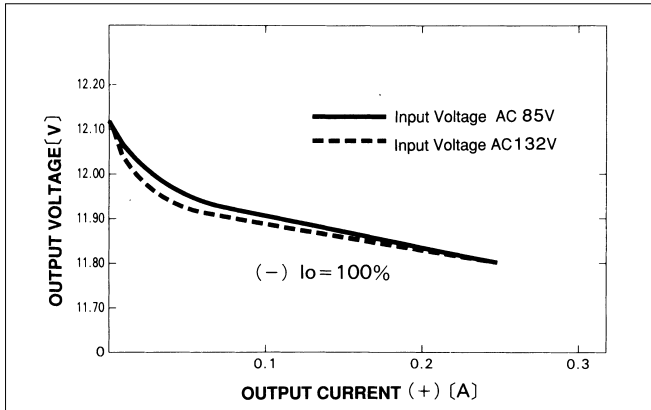
*1 Output pins can be connected in series to make a 24V/30V output.
 *2 Measured by 20MHz oscilloscope.
 * The output specification is at ±12V and ±15V.
 * Parallel operation with other model is not possible.

External view

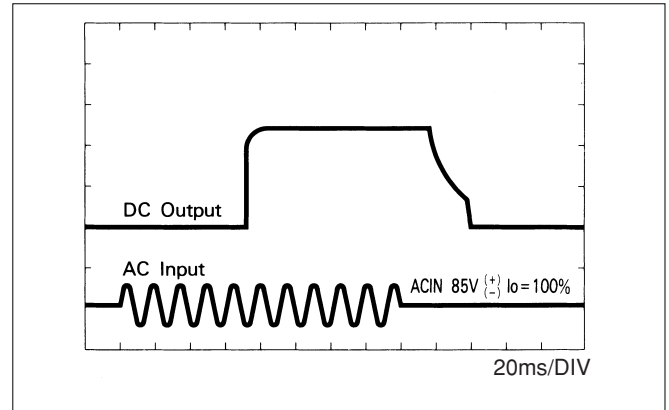


Performance data

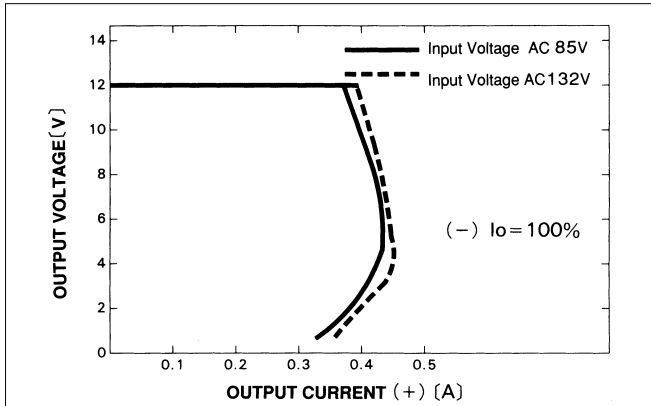
■ STATIC CHARACTERISTICS (YW512A)



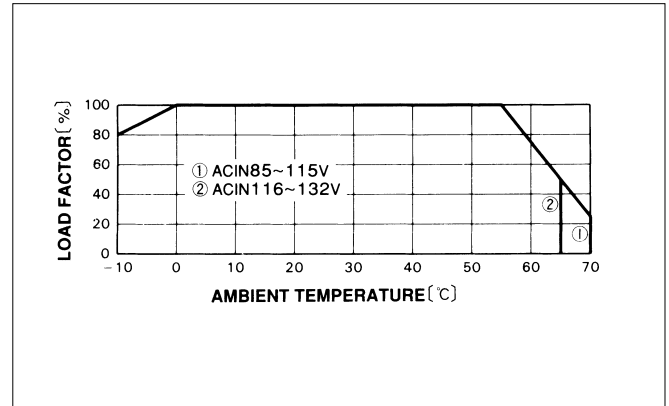
■ RISE TIME & FALL TIME (YW512A: +12V)



■ OVERCURRENT CHARACTERISTICST (YW512A)



■ DERATING CURVE



YW10

Y W 10 12A

① ② ③ ④

RoHS



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

MODEL	YW1012A	YW1015A
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	YW1012A	YW1015A
INPUT	VOLTAGE[V]	AC85 - 132 1 φ or DC110 - 170	
	CURRENT[A]	ACIN 100V	0.3typ (Io=100%)
	FREQUENCY[Hz]		47 - 440 or DC
	EFFICIENCY[%]	ACIN 100V	75typ (Io=100%)
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%)
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	180max
	START-UP TIME[ms]	200max (ACIN 85V, Io=100%)	
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed	
	OUTPUT VOLTAGE SETTING[%]	±5max (Rated input/output, Ta=25 °C)	
HOLD-UP TIME[ms]	10typ (ACIN 85V, Io=100%)		
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically	
ISOLATION	INPUT-FG, OUTPUT	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 ² (10G), 3minutes period, 30minutes 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, C-UL	
	CONDUCTED NOISE	Complies with FCC-B	

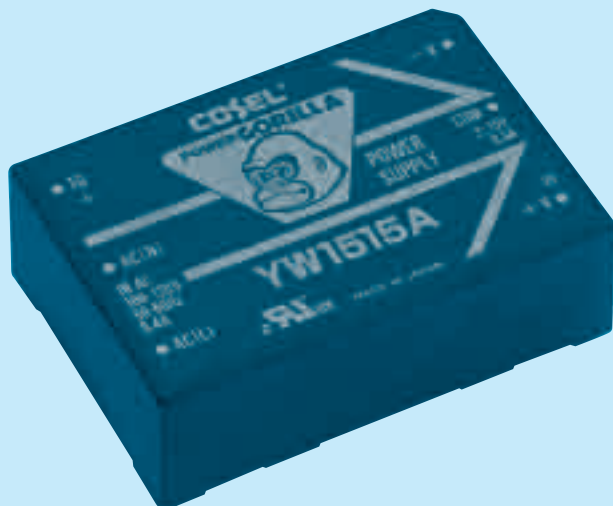
*1 Output pins can be connected in series to make a 24V/30V output.
 *2 Measured by 20MHz oscilloscope.
 * The output specification is at ±12V and ±15V.
 * Parallel operation with other model is not possible.

YW15

Y W 15 12A

① ② ③ ④

RoHS



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

MODEL	YW1512A	YW1515A
MAX OUTPUT WATTAGE[W]	15.6	15.0
DC OUTPUT	*1 ±12V 0.65A or +24V 0.65A	±15V 0.50A or +30V 0.50A

SPECIFICATIONS

	MODEL	YW1512A	YW1515A
INPUT	VOLTAGE[V]	AC85 - 132 1 φ or DC110 - 170	
	CURRENT[A]	ACIN 100V	0.4typ (Io=100%)
	FREQUENCY[Hz]		47 - 440 or DC
	EFFICIENCY[%]	ACIN 100V	78typ (Io=100%)
	INRUSH CURRENT[A]	ACIN 100V	25typ (Io=100%)
OUTPUT	VOLTAGE[V]	±12 (+24)	±15 (+30)
	CURRENT[A]	0.65	0.5
	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	180max
	START-UP TIME[ms]	200max (ACIN 85V, Io=100%)	
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed	
	OUTPUT VOLTAGE SETTING[%]	±5max (Rated input/output, Ta=25°C)	
HOLD-UP TIME[ms]	10typ (ACIN 85V, Io=100%)		
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically	
ISOLATION	INPUT-FG, OUTPUT	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 ² (10G), 3minutes period, 30minutes 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, C-UL	
	CONDUCTED NOISE	Complies with FCC-B	

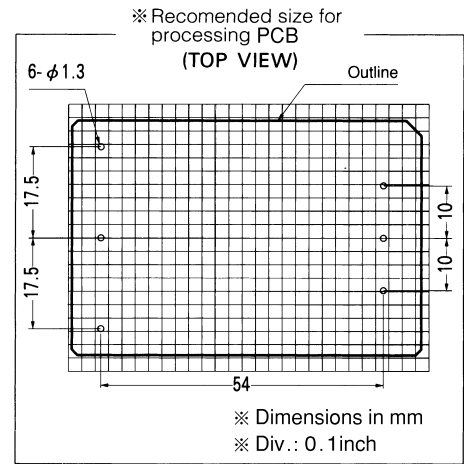
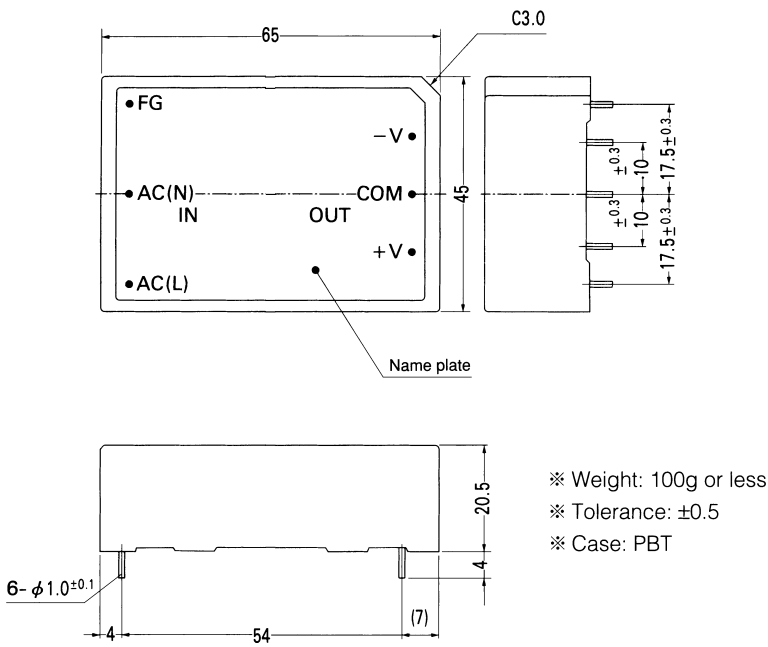
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*2 Measured by 20MHz oscilloscope.

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

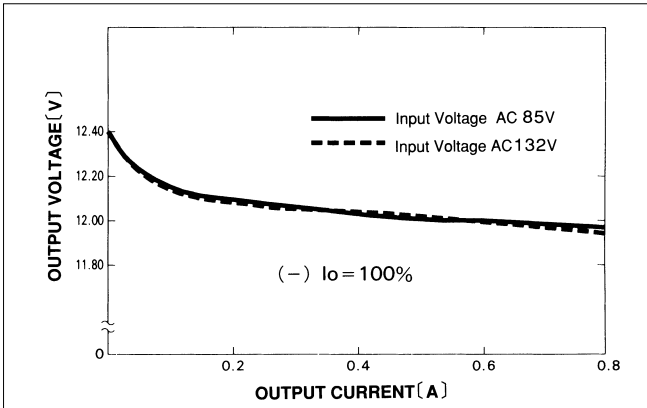
* Parallel operation with other model is not possible.

External view

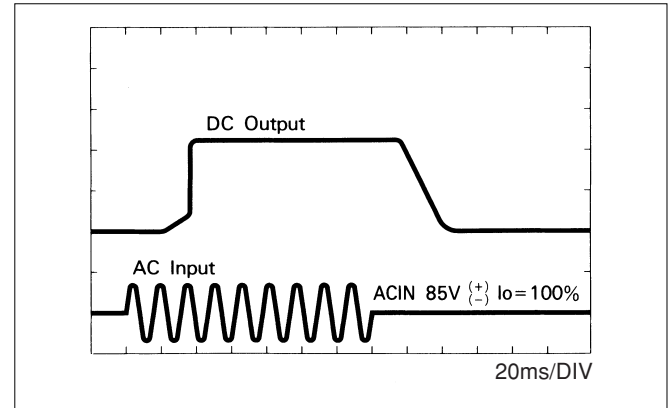


Performance data

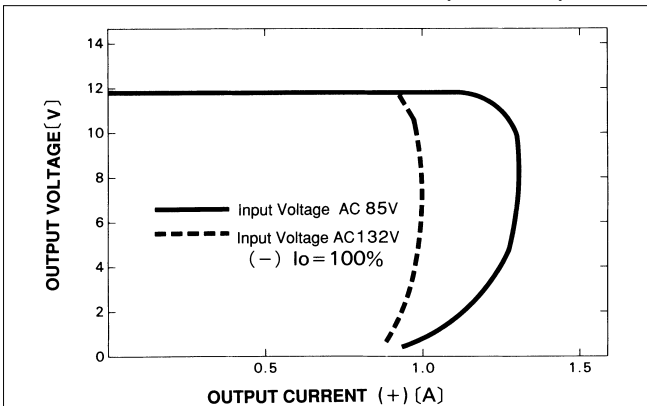
■ STATIC CHARACTERISTICS (YW1512A)



■ RISE TIME & FALL TIME (YW1512A: +12V)



■ OVERCURRENT CHARACTERISTICS (YW1512A)



■ DERATING CURVE

