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Find the *Cosel / Elco YW512U* at our website: ***Click HERE***

COSEL AC-DC Power Supplies PCB Mount type

YW5

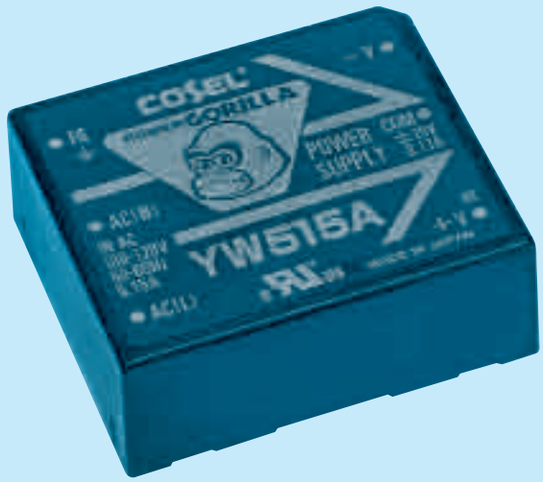
Ordering information

Y	W	5	12A		
①	②	③	④		

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

c UL us

RoHS



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

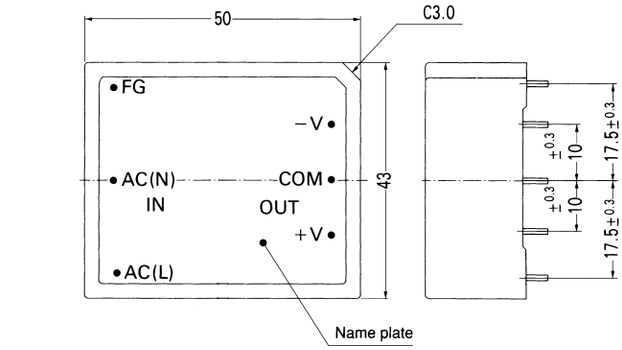
SPECIFICATIONS

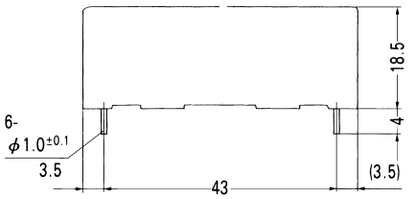
	MODEL		YW512A	YW515A
INPUT	VOLTAGE[V]		AC85 - 132 1φ or DC110 - 170	
	CURRENT[A]	ACIN 100V	0.15typ (Io=100%)	
	FREQUENCY[Hz]		47 - 440 or DC	
	EFFICIENCY[%]	ACIN 100V	70typ (Io=100%)	
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%)	
OUTPUT	VOLTAGE[V]		±12 (+24)	±15 (+30)
	CURRENT[A]		0.22	0.17
	LINE REGULATION[mV]		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℃	150max	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℃)	
	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℃, 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/s² (10G), 3minutes period, 30minutes each along X, Y and Z axis	
	IMPACT		490.3m/s² (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.

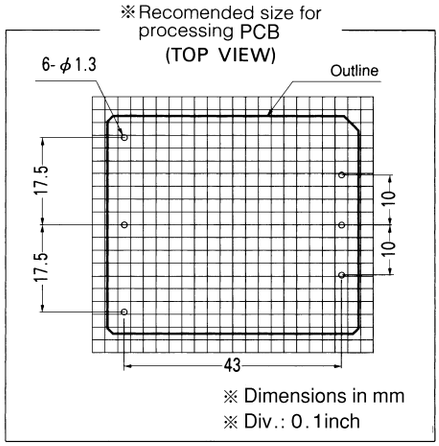
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External view



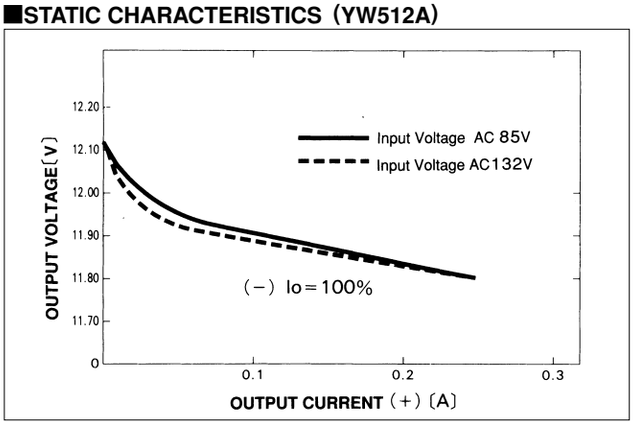


※Weight: 65g or less
※Tolerance: ±0.5
※Case: PBT

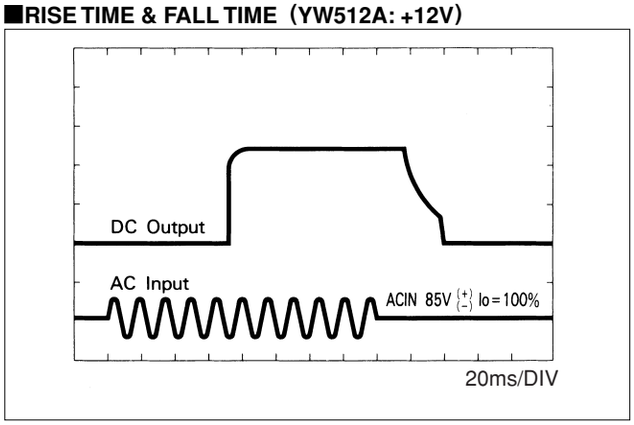


Performance data

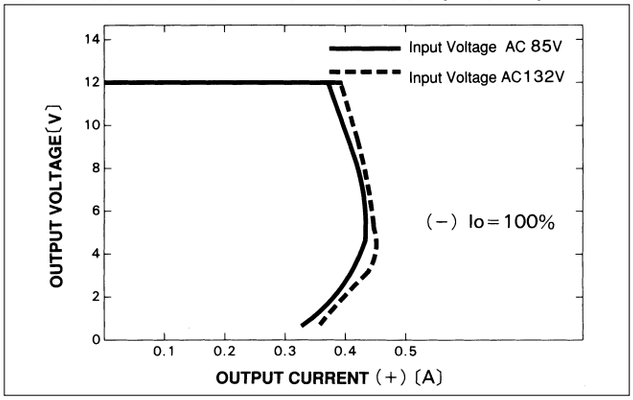
■STATIC CHARACTERISTICS (YW512A)



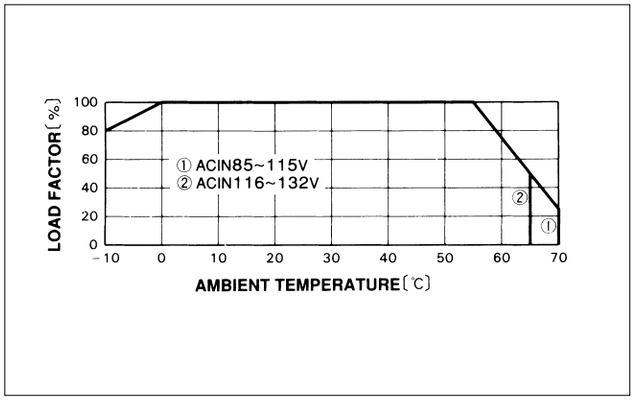
■RISE TIME & FALL TIME (YW512A: +12V)



■OVERCURRENT CHARACTERISTICST (YW512A)



■DERATING CURVE



Y

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COSEL AC-DC Power Supplies PCB Mount type

YW10

Ordering information

Y	W	10	12A		
①	②	③	④		

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

cULus
RoHS



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

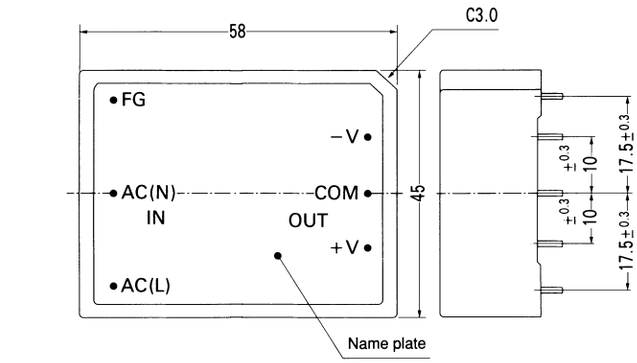
SPECIFICATIONS

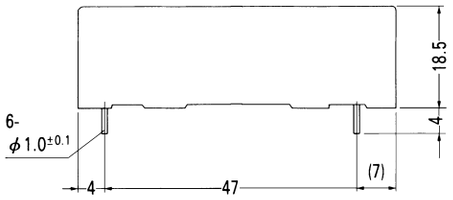
	MODEL		YW1012A	YW1015A
INPUT	VOLTAGE[V]		AC85 - 132 1φ or DC110 - 170	
	CURRENT[A]	ACIN 100V	0.3typ (Io=100%)	
	FREQUENCY[Hz]		47 - 440 or DC	
	EFFICIENCY[%]	ACIN 100V	75typ (Io=100%)	
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%)	
OUTPUT	VOLTAGE[V]		±12 (+24)	±15 (+30)
	CURRENT[A]		0.45	0.35
	LINE REGULATION[mV]		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℃	150max	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℃)	
	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℃, 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/s² (10G), 3minutes period, 30minutes each along X, Y and Z axis	
	IMPACT		490.3m/s² (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.

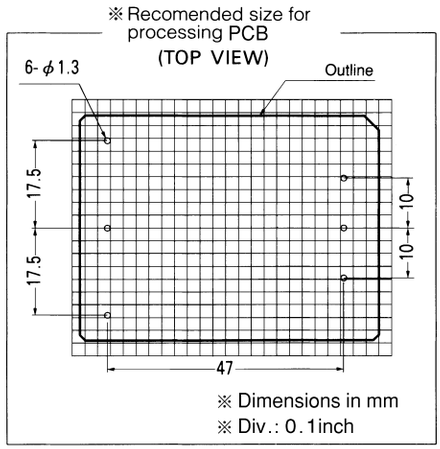
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External view



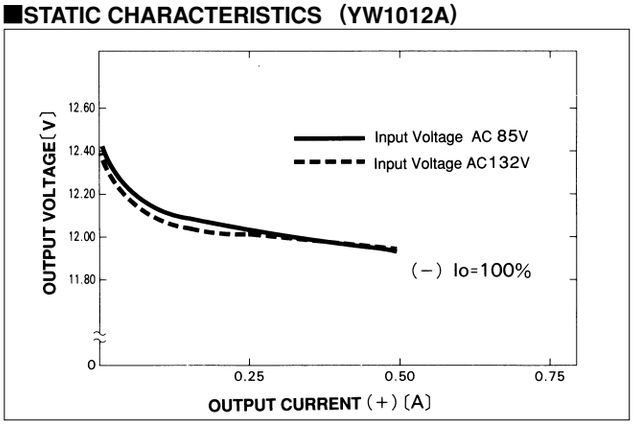


※ Weight: 75g or less
※ Tolerance: ±0.5
※ Case: PBT

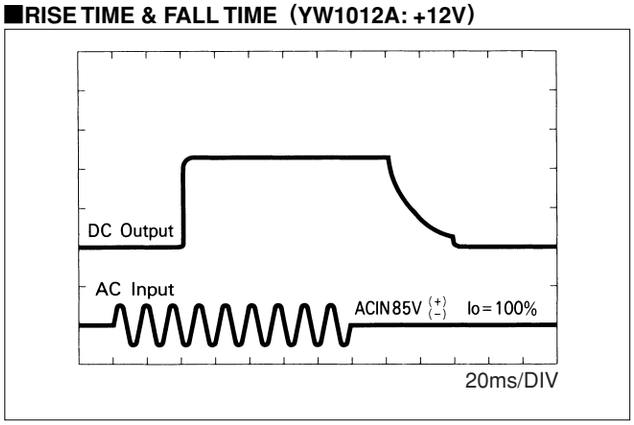


Performance data

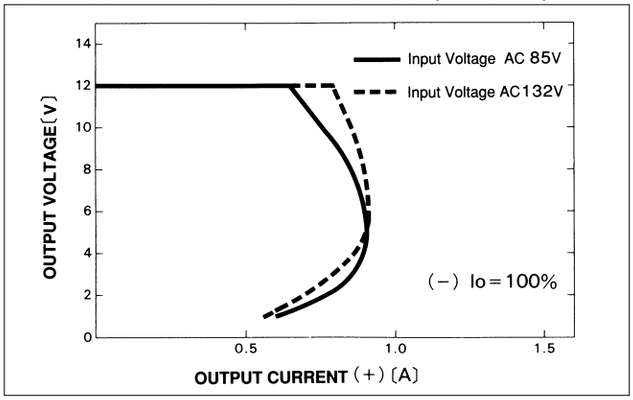
■STATIC CHARACTERISTICS (YW1012A)



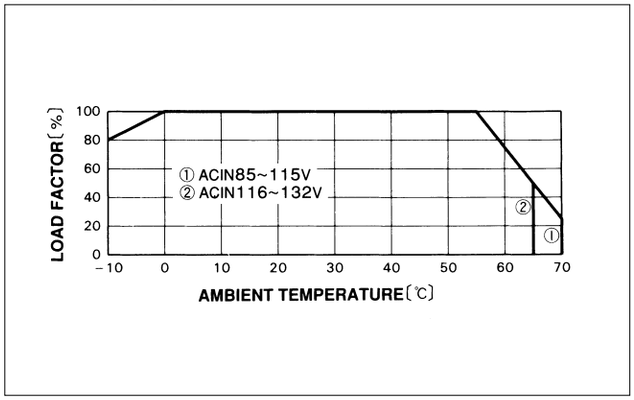
■RISE TIME & FALL TIME (YW1012A: +12V)



■OVERCURRENT CHARACTERISTICS (YW1012A)



■DERATING CURVE



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COSEL AC-DC Power Supplies PCB Mount type

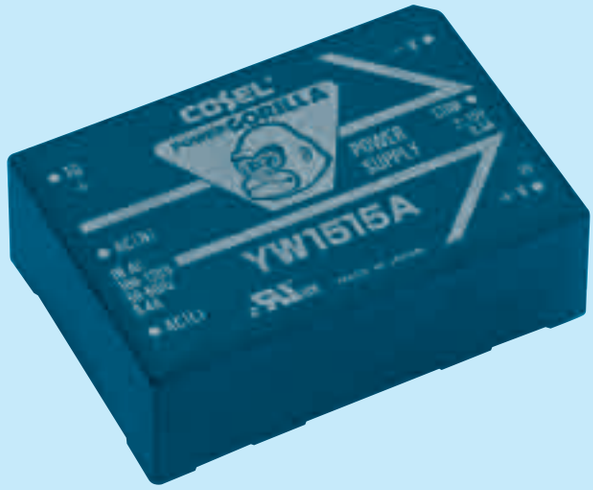
YW15

Ordering information

Y	W	15	12A		
①	②	③	④		

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

cULus
RoHS



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

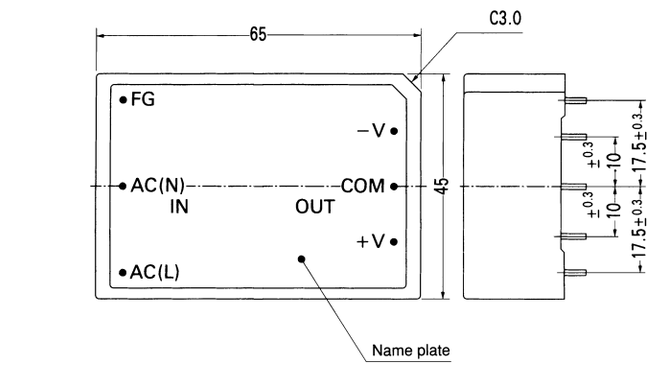
SPECIFICATIONS

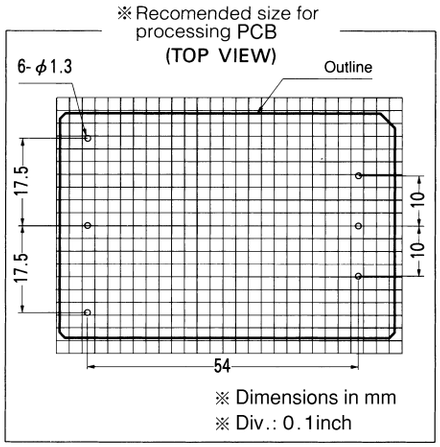
	MODEL		YW1512A	YW1515A
INPUT	VOLTAGE[V]		AC85 - 132 1φ or DC110 - 170	
	CURRENT[A]	ACIN 100V	0.4typ (Io=100%)	
	FREQUENCY[Hz]		47 - 440 or DC	
	EFFICIENCY[%]	ACIN 100V	78typ (Io=100%)	
	INRUSH CURRENT[A]	ACIN 100V	25typ (Io=100%)	
OUTPUT	VOLTAGE[V]		±12 (+24)	±15 (+30)
	CURRENT[A]		0.65	0.5
	LINE REGULATION[mV]		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℃	150max	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℃)	
	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℃, 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/s² (10G), 3minutes period, 30minutes each along X, Y and Z axis	
	IMPACT		490.3m/s² (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	

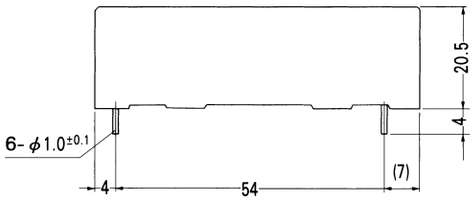
*1 Output pins can be connected in series to make a 24V/30V output.
*2 Measured by 20MHz oscilloscope.
* The output specification is at ±12V and ±15V.
* Parallel operation with other model is not possible.

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External view



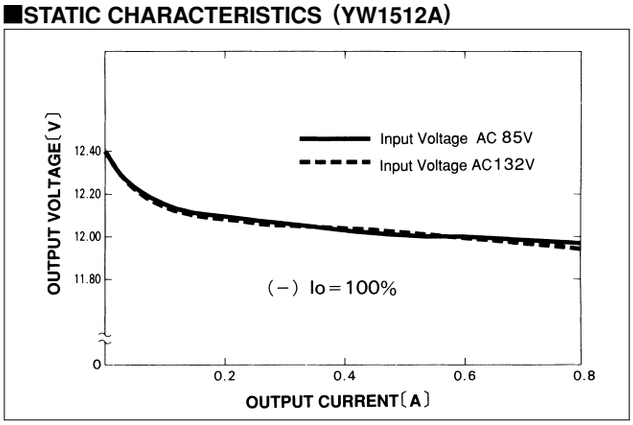




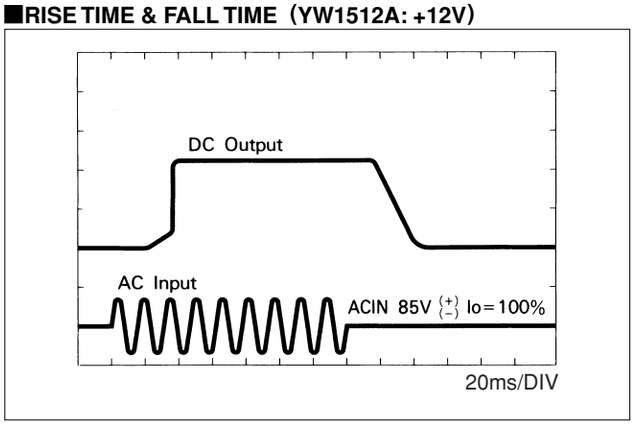
※ Weight: 100g or less
※ Tolerance: ±0.5
※ Case: PBT

Performance data

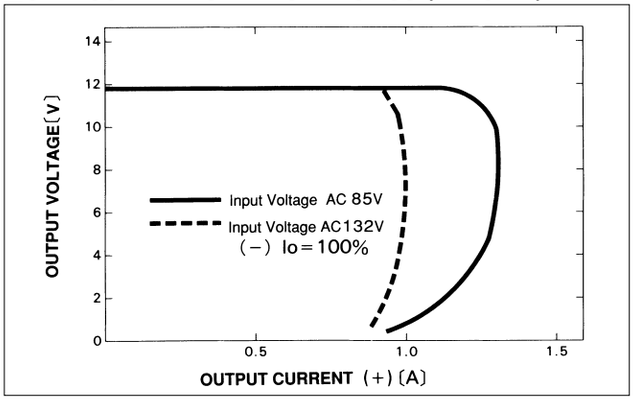
■STATIC CHARACTERISTICS (YW1512A)



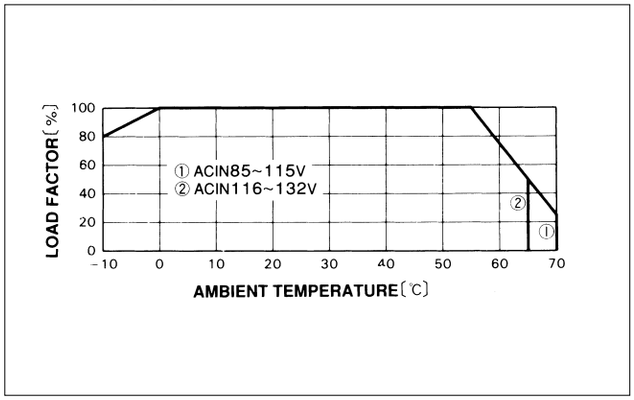
■RISE TIME & FALL TIME (YW1512A: +12V)



■OVERCURRENT CHARACTERISTICS (YW1512A)



■DERATING CURVE



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