YS15



Features

- Small and compact size
- Built-in Inrush Current Protection
- P.C. board mount AC/DC converter
- Built-in Over Voltage Protection
- RoHS Compliant

Safety Agency Approvals

- UL, C-UL recognized

EMI Compliance

- FCC-B

2 year warranty(refer to Instruction Manual)

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
YS1505A	DC 110 - 170 AC 85 - 132	15	5V 3A
YS1512A	DC 110 - 170 AC 85 - 132	15.6	12V 1.3A

COSEL **On-board type**

YS15

Ordering information

Y	S	15	05A		
①	②	③	④		

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



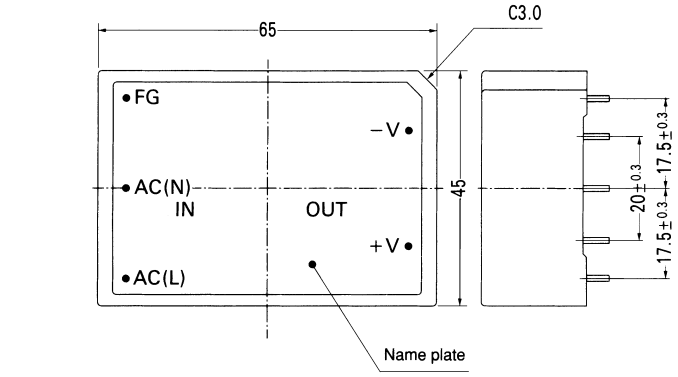
MODEL	YS1505A	YS1512A
MAX OUTPUT WATTAGE[W]	15.0	15.6
DC OUTPUT	5V 3.0A	12V 1.3A

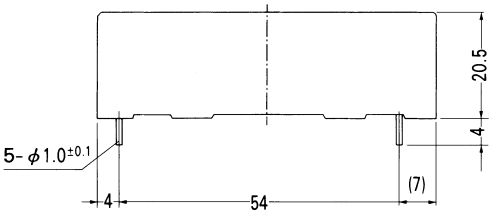
SPECIFICATIONS

	MODEL		YS1505A	YS1512A
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	75typ (Io=100%)	78typ (Io=100%)
	INRUSH CURRENT[A]	ACIN 100V	25typ (Io=100%)	
OUTPUT	VOLTAGE[V]		5	12
	CURRENT[A]		3	1.3
	LINE REGULATION[mV]		20max	48max
	LOAD REGULATION[mV]		40max	100max
	RIPPLE[mVp-p]	*1	80max	120max
	RIPPLE NOISE[mVp-p]	*1	120max	150max
	TEMPERATURE REGULATION[mV]	0 to +55℃	50max	150max
	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	

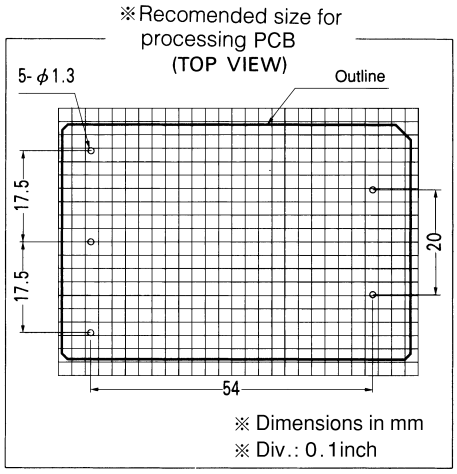
*1 Measured by 20MHz oscilloscope.
* Parallel operation with other model is not possible.

External view



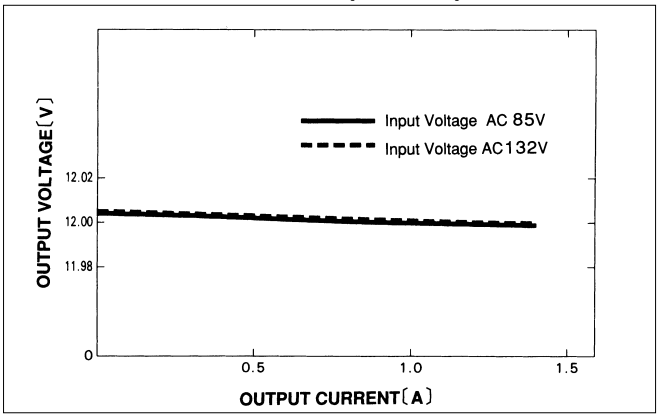


※Weight: 100g or less
※Tolerance: ±0.5
※Case: PBT

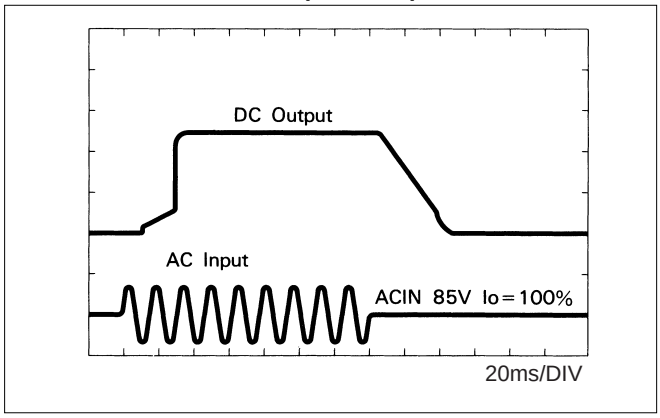


Performance data

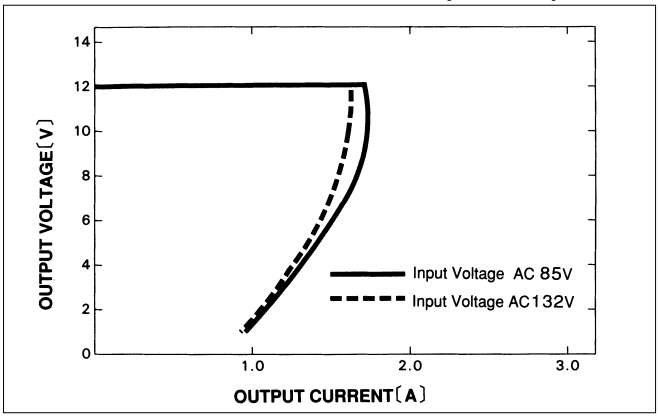
■STATIC CHARACTERISTICS (YS1512A)



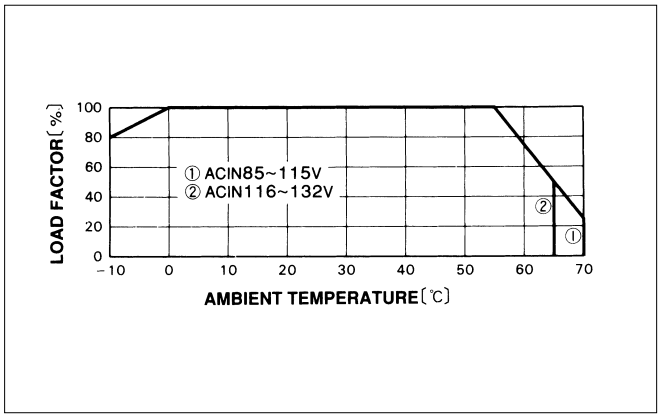
■RISE TIME & FALL TIME (YS1512A)



■OVERCURRENT CHARACTERISTICS (YS1512A)



■DERATING CURVE



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