

- 1 Series name
 2 Dual output
 3 Output wattage
 4 Output voltage
 5 UL recognized, TuV approved CSA certified: E

TRC Electronics, Inc.

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MODEL	YAW512	YAW515
MAX OUTPUT WATTAGE[W]	5.28	5.10
DC OUTPUT	*1 $\pm 12V$ 0.22A or $+24V$ 0.22A	$\pm 15V$ 0.17A or $+30V$ 0.17A

SPECIFICATIONS

	MODEL	YAW512	YAW515
INPUT	VOLTAGE[V]	AC85 - 264 1 ϕ or DC110 - 370	
	CURRENT[A]	ACIN 200V	0.07typ (Io=100%)
	FREQUENCY[Hz]	47 - 440 or DC	
	EFFICIENCY[%]	ACIN 100V	67typ (Io=100%)
	INRUSH CURRENT[A]	ACIN 100V	20typ (Io=100%)
		ACIN 200V	40typ (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 $^{\circ}C$	150max
	TEMPERATURE REGULATION[mV]	180max	
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	Fixed	
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically	
	INPUT-OUTPUT	AC3.000V 1minute, Cutoff current = 15mA, DC500V 50M μ W/min (At Room Temperature)	
	INPUT-FG	AC2.000V 1minute, Cutoff current = 10mA, DC500V 50M μ W/min (At Room Temperature)	
ISOLATION	OUTPUT-FG	AC500V 1minute, Cutoff current=100mA, DC500V 50M μ W/min (At Room Temperature)	
	OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +70 $^{\circ}C$, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max	
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75 $^{\circ}C$, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max	
ENVIRONMENT	VIBRATION	10 - 55Hz, 98.0m/s ² (10G), 3minutes period, 60minutes 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	UL1950, EN60950, VDE0160, CSA C22.2 No.234 Complies with IEC60950	
	CONDUCTED NOISE	Complies with FCC-B, VCCI-B, Additional capacitors required for meeting VDE-B (External Fuse is required)	

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

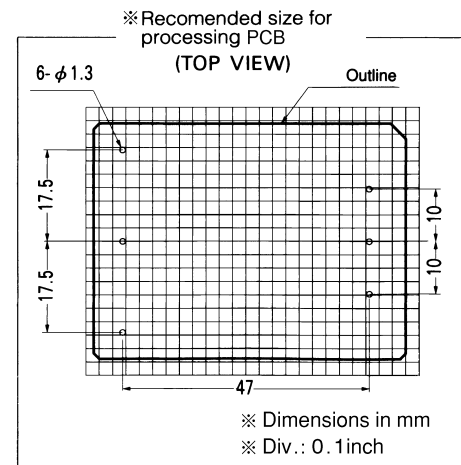
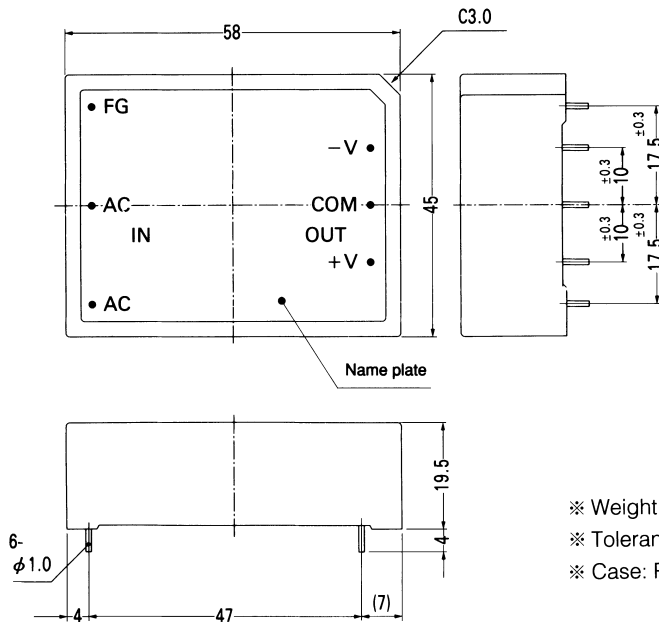
put.

* 2 Measured by 20MHz oscilloscope.

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

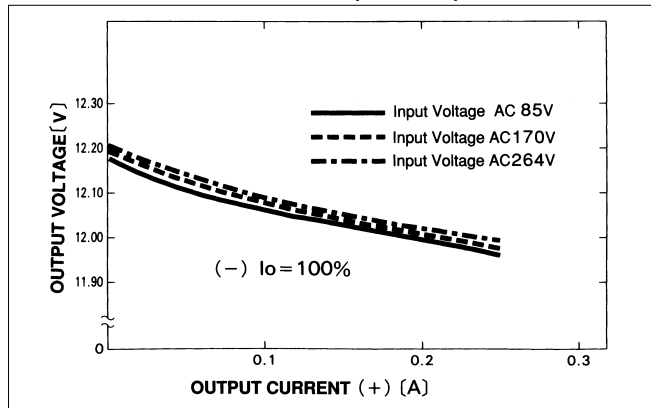
* Parallel operation with other model is not possible.

External view

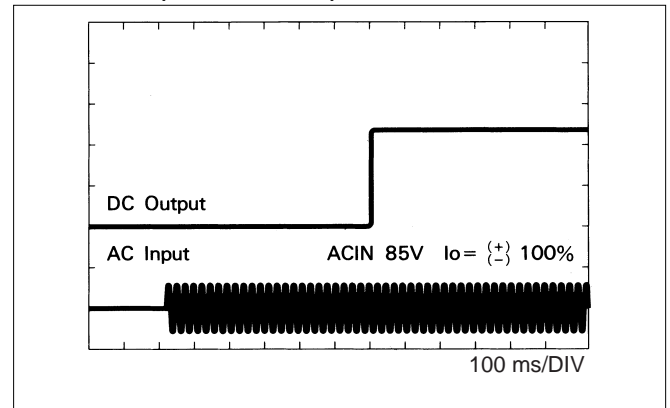


Performance data

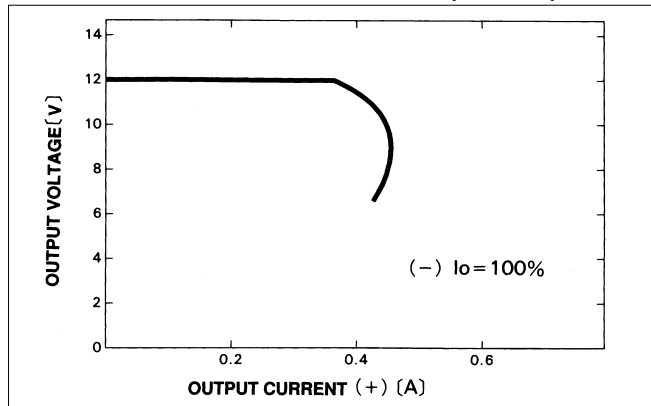
STATIC CHARACTERISTICS (YAW512)



RISE TIME (YAW512: +12V)



OVERCURRENT CHARACTERISTICS (YAW512)



DERATING CURVE

