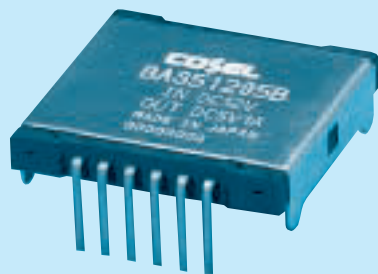


- 1 Series name
2 Single output
3 Output wattage
4 Input voltage
5 Output voltage
6 Type
B :DIP
C :SIP



TRC Electronics, Inc.

Authorized Stocking Distributor

Tel: 973.779.8282

Fax: 973.779.1490

Contact TRC for pricing,
stock, and technical assistance.

www.trcelectronics.com

MODEL	BAS50503	BAS5123R3	BAS51205	BAS5243R3	BAS52405	BAS52412
MAX OUTPUT WATTAGE[W]	3	3.3	5	3.3	5	5.4
DC OUTPUT	3V 1A	3.3V 1A	5V 1A	3.3V 1A	5V 1A	12V 0.45A

SPECIFICATIONS

	MODEL	BAS50503	BAS5123R3	BAS51205	BAS5243R3	BAS52405	BAS52412
INPUT	VOLTAGE[V]	4.75 - 5.5 * 6	8 - 18		18 - 36		20 - 36
	CURRENT[A]	*1 0.72typ	0.34typ	0.49typ	0.18typ	0.26typ	
	EFFICIENCY[%]	*1 86typ	81typ	87typ	75typ	80typ	87typ
OUTPUT	VOLTAGE[V]	3 * 4.6	3.3	5	3.3	5	12
	CURRENT[A]	1 * 6	1	1	1	1	0.45
	LINE REGULATION[mV]	20max	20max	20max	20max	20max	48max
	LOAD REGULATION[mV]	40max	40max	40max	40max	40max	100max
	RIPPLE[mVp-p]	0 to +50C *2	70max	150max	150max	150max	250max
		-20 - 0C *2	100max	200max	200max	200max	250max
	RIPPLE NOISE[mVp-p]	0 to +50C *2	100max	200max	200max	200max	250max
		-20 - 0C *2	150max	250max	250max	250max	300max
	TEMPERATURE REGULATION[mV]	-20 to +40C	50max	50max	50max	50max	120max
	DRIFT[mV]	*3	20max	20max	20max	20max	48max
	START-UP TIME[ms]	20max					
PROTECTION CIRCUIT	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	1.50 - 3.30 * 4.6	Fixed (TRM pin open) † 10% adjustable by external VR				
	OUTPUT VOLTAGE SETTING[V]	* 4	3.20 - 3.46	4.85 - 5.25	3.20 - 3.46	4.85 - 5.25	11.40 - 12.60
	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically					
ISOLATION	PIN-HEATSINK	AC50V 1minute, Cutoff current = 10mA (At Room Temperature)					
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-20 to +71C, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max					
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +85C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max					
	VIBRATION	10 - 55Hz, 98.0m/s ² 3minutes period, 60minutes each along X, Y and Z axis					
	IMPACT	490.3m/s ² 11ms, once each X, Y and Z axis					
OTHERS	DIMENSION/WEIGHT	26.5 x 7 x 24.5mm (DIP), 26.5 x 24.5 x 7mm (SIP) (W x H x D) / 5.5g max					
	COOLING METHOD	Convection/Forced air					

*1 At rated input and rated load.

*2 Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN : RM101). -Vin and -Vout are connected separately.

*3 Drift is the change in DC output for an eight hour period at 25C, with the input voltage held constant at the rated input/output.

* Series and Parallel operation are not available.

ter a half-hour warm-up at tput.

* When BAS50503 is used, it is necessary to do the following matters.

*4 It is necessary to install the external resistor to set the manual 10.1.

*5 It is necessary to install the external capacitor between +V voltage. Refer to instruction manual 10.2.

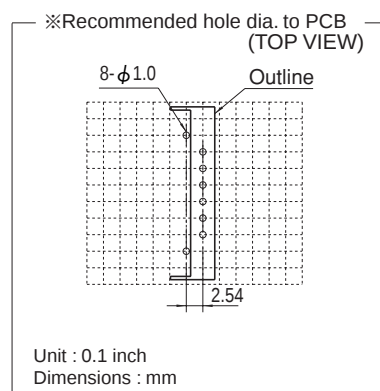
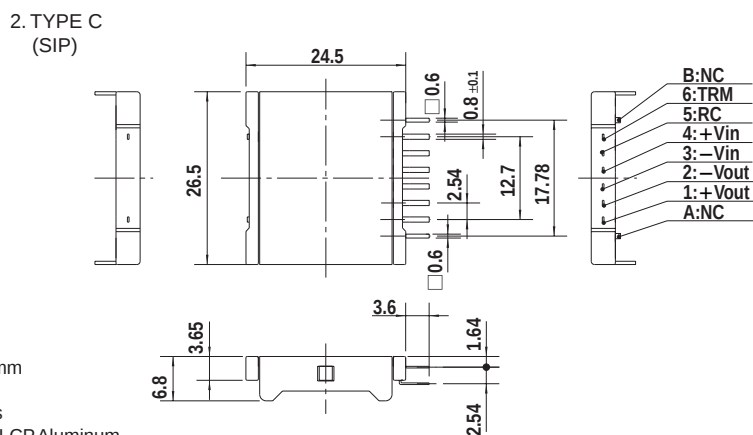
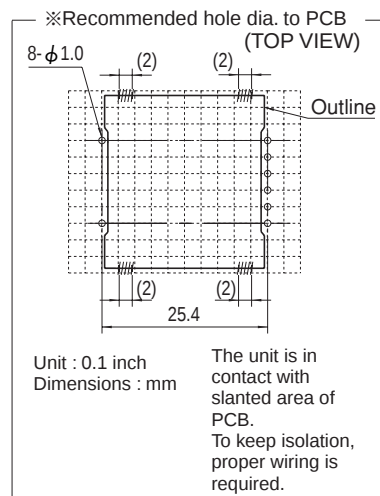
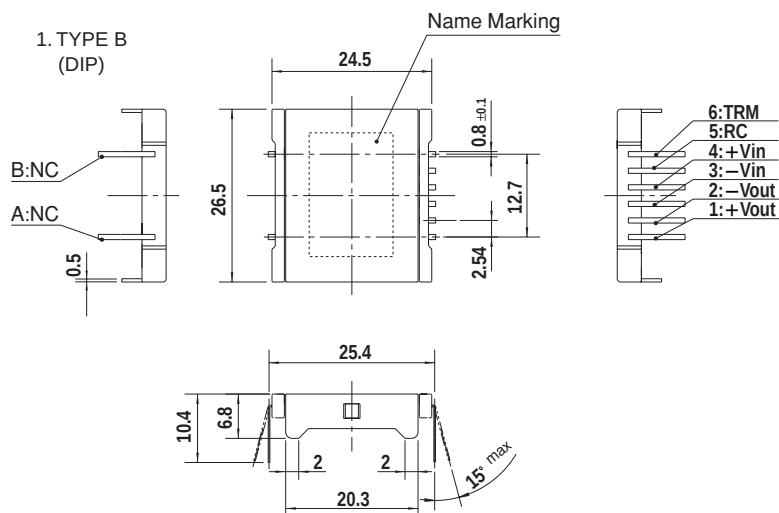
*6 When the output voltage exceeds 3.0V, the range of use changes. Refer to instruction manual 10.3.

output voltage. Refer to instruction

out and -Vout to stabilize the output

es. Refer to instruction

External view



※Dimensions in mm
 ※Tolerance $\pm$ 0.5
 ※Mass : 5.5g less
 ※Case material : LCP,Aluminum
 ※Terminal thickness : 0.25
 ※Terminal NC means electrical connection is not possible.