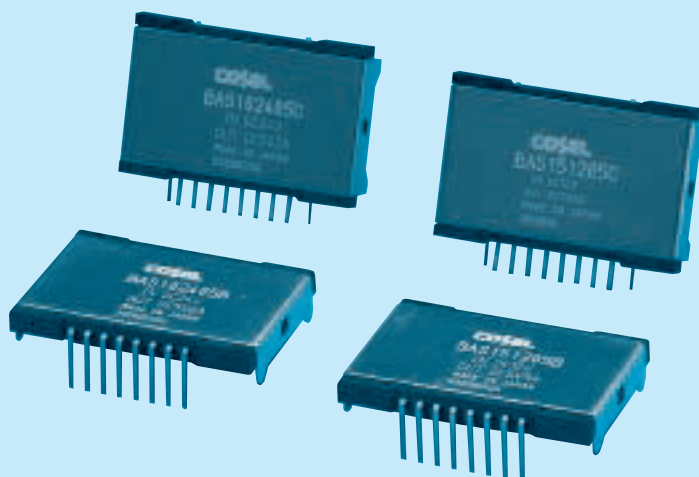


BAS10, BAS15

BA S 10 24 3R3 B

1 2 3 4 5 6

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	BAS150503	BAS15123R3	BAS151205	BAS10243R3	BAS102405	BAS102412
MAX OUTPUT WATTAGE[W]	9	6.6	10	5.28	8	8.04
DC OUTPUT	*1 3V 3A	3.3V 2(3)A	5V 2(3)A	3.3V 1.6(2)A	5V 1.6(2)A	12V 0.67(0.85)A

SPECIFICATIONS

	MODEL	BAS150503	BAS15123R3	BAS151205	BAS10243R3	BAS102405	BAS102412
INPUT	VOLTAGE[V]	4.75 - 5.5 * 6	8 - 18		18 - 36		20 - 36
	CURRENT[A]	*1 2.14typ	0.68(1.04)typ	0.96(1.47)typ	0.29(0.36)typ	0.42(0.52)typ	0.39(0.49)typ
	EFFICIENCY[%]	*1 84typ	81(79)typ	87(85)typ	76(76)typ	80(80)typ	86(87)typ
OUTPUT	VOLTAGE[V]	3 * 4,6	3.3	5	3.3	5	12
	CURRENT[A]	Convection	3 * 6	2	2	1.6	1.6
		Forced air	3 * 6	3	3	2	0.85
	LINE REGULATION[mV]	20max	20max	20max	20max	20max	48max
	LOAD REGULATION[mV]	40max	40max	40max	40max	40max	100max
	RIPPLE[mVp-p]	0 to +50°C *2	70max	150max	150max	150max	250max
		-20 - 0°C *2	100max	200max	200max	200max	250max
	RIPPLE NOISE[mVp-p]	0 to +50°C *2	100max	200max	200max	200max	250max
		-20 - 0°C *2	150max	250max	250max	250max	300max
	TEMPERATURE REGULATION[mV]	-20 to +40°C	50max	50max	50max	50max	120max
	DRIFT[mV]	*3 20max	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 +71°C, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max					
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +85°C, 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	38 X 7 X 24.5mm (DIP), 38 X 24.5 X 7mm (SIP) (W X H X D) / 8.5g max					
	COOLING METHOD	Convection/Forced air					

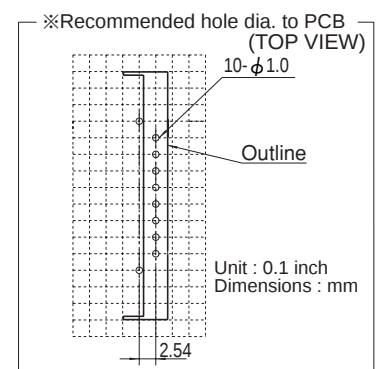
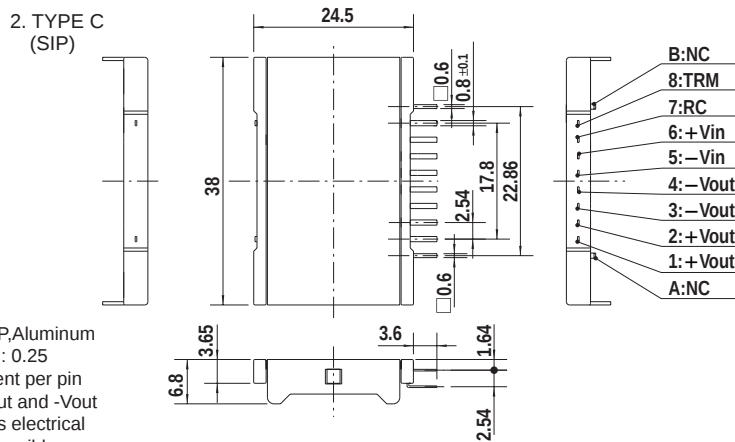
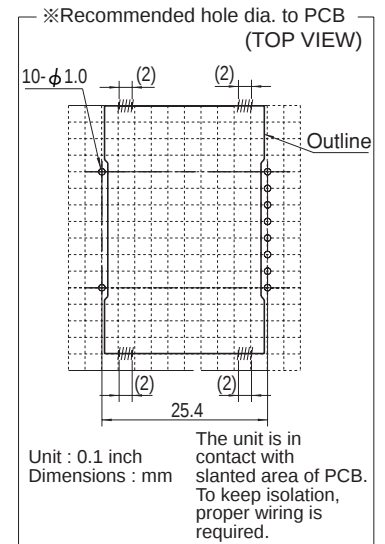
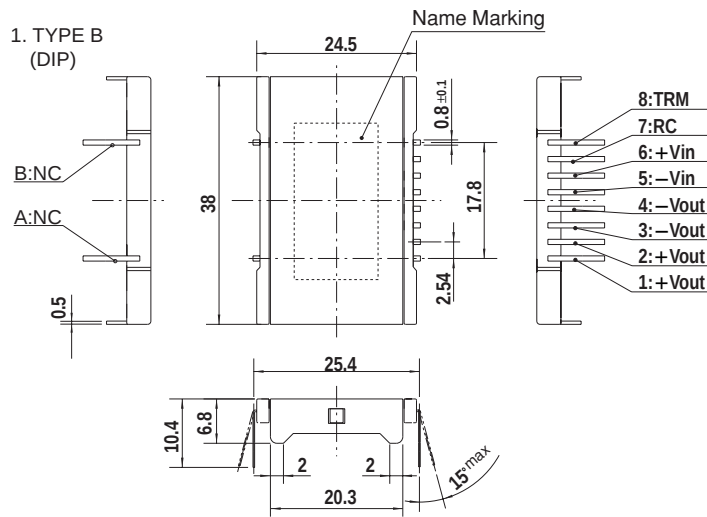
* 1 At rated input and rated load. Inside the () shows a value
* 2 Measured by 20MHz oscilloscope or Ripple-Noise meter (Equiva
RM101). -Vin and -Vout are connected separately.
* 3 Drift is the change in DC output for an eight hour period af
25°C, with the input voltage held constant at the rated input/ou
* Series and Parallel operation are not available.

at forced air.
lent to KEISOKU-GIKEN :
ter a half-hour warm-up at
tput.

* When BAS150503 is used, it is necessary to do the following
* 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 chang
manual 10.3.

matters.
output voltage. Refer to instruction
out and -Vout to stabilize the output
es. Refer to instruction

External view



- ※ Dimensions in mm
- ※ Tolerance ±0.5
- ※ Mass : 8.5g less
- ※ Case material : LCP, Aluminum
- ※ Terminal thickness : 0.25
- ※ Keep drawing current per pin below 1.5A of +Vout and -Vout
- ※ Terminal NC means electrical connection is not possible.