- **Input voltage range ±15 %**
- **Temperature range -25/+70°C**
- **Option -40/+85°C**
- **Input filtering C - L - C**
- **Chassismontage**
- **Open build up**
  185 x 50 x 30 mm³

for special technology , railway applications

Series BB 02

Main points:

Output:

- Accuracy absolute ±1%
- Regulation $\Sigma(U_{in}+I_{out+}T_U)<\pm 2\%$
- Response time 100 µs
- Ripple 10 mV_{pp}
- Spikes < 100 mV_{pp}
- No-load and short circuit proof
- Current limitation 1,2 x I_{Amax}

Input:

- Input voltage range ±15%
- Input current limitation
  dynamical power limitation
  (integrale run-up)
- Input fuse
- No Input capacity

In general:

- Isolation test voltage 1000 V_{AC} 1 min
- Very good turn-on behaviour
- Ambient temperature -25°C / +70°C,
  Option: -40°C / +85°C
- Storage temperature -40°C / +85°C
- Derating 2% / °C > 70°C
- Free air convection
- MTBF on request
- Shock / vibration testing EN 50155
- Weight approx. 220 g
- Open build up 185 x 50 x 30 mm³

Uin	Uout	Iout	Model
V	V	A	number
21 - 27	+15	0,7	BB 02.T24.05.15
	-15	0,7	
	5,1	2,5	
21 - 27	+12	0,7	BB 02.T24.05.12
	-12	0,7	
	5,1	3,0	
BB02 (H)	-40°C up to +85°C		additional charge
Modification costs for possible changes above values			on request

Modules of the ***BB02*** series are low-power converters with galvanic isolation and regulated outputs. An input current filter reduces the voltage ripples and is responsible for the EMC capability in accordance to the EN55011.A.

Single, double or tripolare outputs are available. These outputs are functional independent and have the same ground potential.

The outputs are short circuit proof, regulated and the input can fluctuate about +-15%. This is based on the use of synchron rectifiers in the 5V-circuit and series switched synchron-Buck-regulators. The result is a high efficiency and the build up without extensive heat sinks.