

Miniature power supply module

MBI 46.14

MESSOTRON

Miniature power supply module with wide input voltage range

- Compact-Module, fully potted, with mounting bracket
- Wide input voltage ranges (9...18, 18...36, 9...36 VDC)
- Output +/-15V
- Input-Output isolation
- Input polarity reversal protection
- Continuous output short circuit protection



MBI 46.14

The power supply module is designed to supply up to four +/-15VDC-powered CF amplifier modules (e.g. MBI 46.12/15 series) in a single or multiple channel configuration possible. Three versions with 2:1 or 4:1 input voltage ranges are available.

It converts DC input from a wide range to +/-15 VDC with input-output isolation. The input is polarity reversal protected. The output is short-circuit protected.

Specifications

Input voltage range (+Us vs. -Us)

model 46.14/12:

9 ... 18 VDC (2:1 range)

model 46.14/24:

18 ... 36 VDC (2:1 range)

model 46.14/1224:

9 ... 36 VDC (4:1 range)

Output voltage

+/- 15 VDC

Output voltage accuracy

< ± 2.0%

Output voltage balance

< ± 1.0%

Max. output power

~ 5W

Operating / Storage temperature

-25 ... +60°C / -40 ... +100°C

Dimensions

W x D x H = 45 x 45 x 20 mm with mounting bracket

Mass

ca. 0.1 kg

Electr. connection

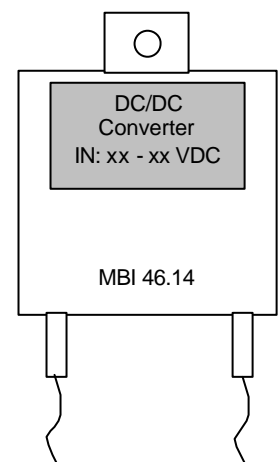
coloured-coded leads

Subject to change without prior notice

Connection

In/Out	Lead	Signal
Input	Red	+Us ¹⁾
	Black	-Us ¹⁾
Output	Brown	+15VDC
	Grey	0 VDC
	Green	- 15 VDC

1) For input range see module version or print on DC/DC converter



Attention: For use only with dual-voltage powered CF modules (e.g. MBI 46.12/15) !

Note: Full EMC conformity is only granted with integration in appropriate housing and filtered connection lines.