

# BTX Series

2500V reference TC 20 ppm/°C



Reference: BTX-MTA24PN252101-2.5R



## General Description

- ◇ This model of the BTX series is a 2500V bipolar reference, with +/-0.1% accuracy and TC 20ppm/°C.
- ◇ It is an assembly of two MTA converters (positive and negative) and a highly stabilized loop which compensates for the self-heating of the converters. The loop is controlled by a very low TC reference ( 8ppm/°C)
- ◇ ON/OFF and polarity controls are either local or distant.

Parameters	Specifications
Enclosure	Iron case with front and rear panels in aluminum
Dimensions	L 200 x W 140 x H 90 mm
Front panel	HV return, called « 0V » is isolated and bounded to ground with a 1MΩ resistor. A 4mm socket is available to connect the « 0V ».
HT output	+/-2500V +/-0.1% 330μA, ripple <0.01%
HT connector	AMP 861252
Indicators	Three LED showing: <ul style="list-style-type: none"><li>• The device is under voltage</li><li>• The HV output is activated</li><li>• The distant mode is activated</li><li>• 4 1/2 digits LED</li></ul>
Local controls	Toggle for the polarity ON/OFF switch
Rear panel	Universal 87-264Vac inlet The rear panel is connected to ground and a threaded shaft allows connections to other equipments.
Distant mode controls (SUBD 9 MALE) TTL and CMOS level	Pin #1 : 1 = positive, 0 = negative Pin #2 : 1 = HV is on, 0 = HV is off Pin #3 and Pin #4 : connected to ground Pin #5 : 1 = distant mode, 0 = local mode Pin #6 to pin #9: not used
Hints	When toggling distant to local mode, HV output is automatically inhibited and will be operating again after a rising edge on the ON/OFF control
Operating temperature	10°C to 50°C



This High Voltage power supply satisfies the requirements of EC Directives Safety.

Non contractual document.  
All specifications are subject to change without notice.

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