



PBA-1S PRECISION BUFFER AMPLIFIER FOR THERMAL VOLTAGE CONVERTERS



INTRODUCTION

The amplifier is a three stage voltage follower designed to drive thermal voltage converters without introducing appreciable contribution to the ac-dc difference. The design of the buffer ensures closeness of the gain to unity and low phase shift up to 200 kHz. The amplifier is supplied with a 16V ac power supply and a connector for an optional battery.

SPECIFICATIONS

Maximum voltage	5 V _{rms}
Input connector	N-female or BNC
Output connector	N-male or BNC
Input impedance	10 M Ω in parallel with 20 pF
Ac-dc difference	less than 1 μ V/V up to 10 kHz; less than 100 μ V/V at 100 kHz
Output voltage with open input	less than 200 mV
Power	16 V _{ac} from included supply or \pm 12 V _{dc} from an optional external battery

ENQUIRIES

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