

OPERATING NOTE/APRIL 1986

INTRODUCTION

1. The HP 54002A Input Pod provides a 50 ohm 1 GHz BNC input for the HP 54100A/D, 54110D Digitizing Oscilloscopes and the 54300A Probe Multiplexer.

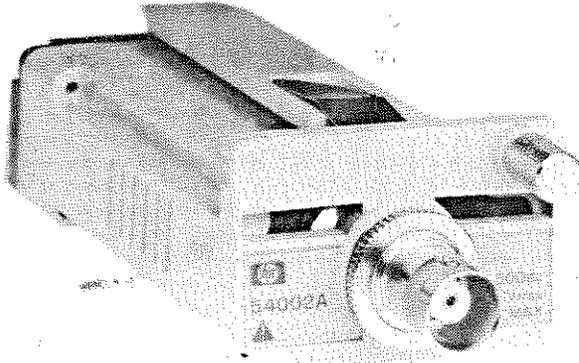


Figure 1. Hewlett-Packard 50 Ohm Pod

WARNING

This pod was designed for use with HP Models 54100A/D, 54110D and the 54300A which have a common terminal at GROUND POTENTIAL (in accordance with OSHA requirements and the National Electric Code). Failure to ground the common terminal during certain applications, such as operating these instruments from an external battery, will expose the operator to an electrical shock hazard that could be lethal (depending on the electrical energy available).

CAUTION

Power must be removed from the HP 54100A/D, 54110D Oscilloscopes or the 54300A Probe Multiplexer when the 54002A Pod is removed or installed, as the instruments may be damaged.

Table 1. Specifications

| Pod | Division Ratio | Max. Input Voltage | Input Resistance | Bandwidth | Transition Time |
|---|----------------|--------------------|------------------|------------|-------------------------------------|
| 54002A used with the 54100A/D, 54110D or the 54300A | 1:1 | 5V rms | 50 ohms | DC to 1GHz | $\leq 350\text{ps}$ (10% to 90%) |

Operating Note Part Number 54002-90901
Microfiche Part Number 54002-90801



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