N5450B InfiniiMax Extreme Temperature Extension Cable

Data Sheet

Probe your device's signals in extreme testing conditions

- **Industry's first extreme temperature probing solution**
- **Perfect probing solution for extreme environmental testing, including applications in the automotive and cell phone industries**
- **Supports two temperature ranges: -55 to +150 degrees Celsius and -25 to +80 degrees Celsius depending on InfiniiMax probe head configurations**

Have you broken an expensive probe trying to capture the signal at temperatures beyond its specified operational temperature? If yes, we have a great news for you.

Now, Agilent offers a probing solution that covers the full temperature range from -55 degrees to + 150 degrees Celsius. The Agilent N5450B InfiniiMax extreme temperature extension cable allows you to probe your device's signals at extreme testing conditions where it was previously impossible.

Whether you are working on automotive electronics, cell phone operation conformance, or hard disk drive endurance testing, testing your devices in an environmental chamber is an essential part of your product validation. Now you can connect a InfiniiMax 1130A-34A, 1168A/69A, N2800A-03A probe and N5450B InfiniiMax extreme temperature extension cable with your choice of InfiniiMax probe head*, and you are ready to make your most critical measurements!

* You must leave probe amplifier outside of the environmental chamber.

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Specifications

Cable length: 92 cm (about 36 inches)

The N5450B comes with a pair of matched cables

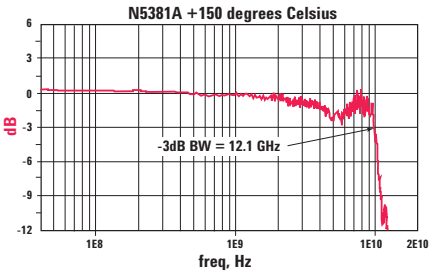
Supports two temperature range groups

- Group 1: from –55 to +150 °C (Celsius) when used with N5381A differential solder-in probe head and InfiniiMax I/II probe amplifier or with N5441A differential solder-in head and InfiniiMax III probe amplifier
- Group 2: from –25 to +80 °C when used with E2677A differential solder-in probe head, E2678A differential socket probe head, or N5425A/26A ZIF tip head/tip and InfiniiMax I/II probe amplifier

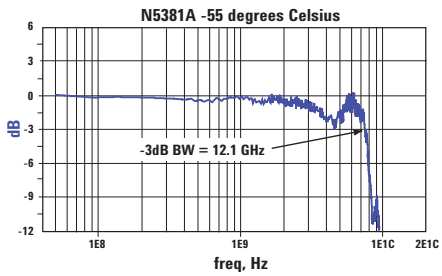
Supports two different test cycle numbers

- At least 250 test cycles for Group 1 (with N5381A /N5441A)
- At least 1000 test cycles for Group 2 (with E2677A/E2678A/N5426A)

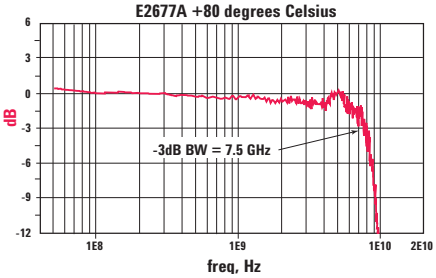
Flat frequency responses are shown below:



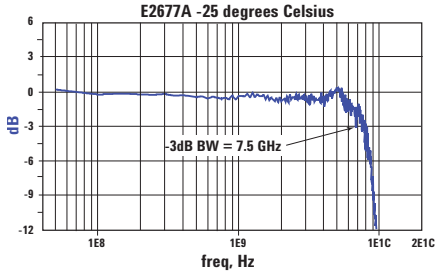
Response plot for N5381A + N5450B at 150 °C



Response plot for N5381A + N5450B at –55 °C



Response plot for E2677A + N5450B at 80 °C



Response plot for E2677A + N5450B at –25 °C

N5450B InfiniiMax extreme temperature extension cable

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