

INFORMATION ONLY – DOES NOT COMMUNICATE
A MODIFICATION OR SAFETY CONDITION

1154A-03

S E R V I C E N O T E

Supersedes:
None

1154A 500 MHz Differential Probe

Serial Numbers: [0000A00000 / 9999Z99999]

Change in specifications eliminates some of the performance test ranges.

Parts Required:

P/N	Description	Qty.
None		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

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ADDITIONAL INFORMATION:

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Situation:

Due to manufacturing changes, the CMRR specifications changed.

Solution/Action:

Modify the CMRR specifications and characteristics as listed below.

Specification:

CMRR (Unity Probe Gain)

at 70 Hz ≥ 72 dB

Characteristics:

CMRR (Unity Probe Gain)

at 100 kHz ≥ 60 dB

at 1 MHz ≥ 50 dB

at 10 MHz ≥ 30 dB

at 250 MHz ≥ 10 dB

The only CMRR test you need to perform to verify performance of the probe is the first one, “Test CMRR at 70 Hz.” The other CMRR tests at 100 kHz, 1 MHz, 10 MHz, and 250 MHz are just typical characteristics to give you and the customer an idea of the typical performance of the probe at those frequencies. The probe does not need to meet any characteristic CMRR values to be considered calibrated. You do not need to perform the other CMRR tests at 100 kHz, 1 MHz, 10 MHz, and 250 MHz.