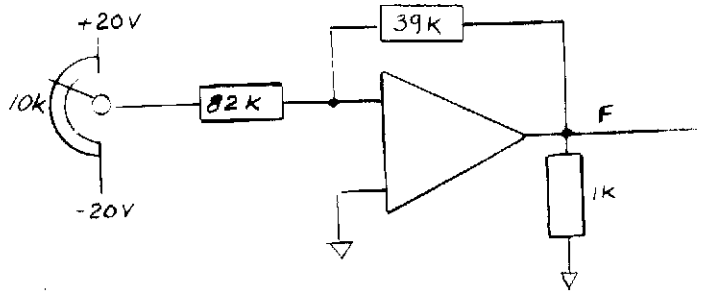
1.0 Scope

This procedure covers the suggested minimum requirements for production test. The operating conditions are stated in Section 3. For card specification refer to DWG 224X285.

2.0 Instructions

2.10 DC Linearity Test

Use a dc voltmeter or an oscilloscope for this test. Connect the circuit as follows:



Observe the output voltage at jack F with the meter or the oscilloscope. Turn the pot slowly to +20V., the output must follow linearly towards -10 volt. Then, turn the pot down to -20 volt, the output should swing from negative to +10 volt.

2.20 Frequency Response

Use the same connection as above, replace the input resistor with a 39K ohm resistor. Disconnect the potentiometer and connect a variable frequency sine wave generator. Apply a 2 volt peak to peak input, and varying the frequency from a few cycles to 10 K Hz. Observe the output at jack F with an oscilloscope. The amplitude drop to 0.707 from the original value at approximately 5K Hz.

3.0 Conditions

The above test should be conducted under the following conditions:

3.10 A ± 20 volt DC power supply with no more than ± 2.5% variation.

3.20 Ambient temperature within 10 to 65° C.

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