

REV NO. 1	TITLE	CONT ON SHEET 2	SH NO. 1
224X705AA	TAPERED CURRENT LIMIT DC-3032R TEST INSTRUCTION		
CONT ON SHEET 2	FIRST MADE FOR	193X266AAG01	

1.0 SCOPE

This instruction covers the procedure for production testing the subject card. Its performance capabilities are covered in Engrg. Spec 224X358AA.

2.0 INSTRUCTIONS

2.01 Varyify that all components and circuit connections are properly in place.

2.02 Power Supply. Monitor the voltage at test points +18 and -18. The voltage shall be +18.4 to +19.7 respectively.

2.03 Tach Spillover

2.03.1 Adjust P270 fully CCW. Tie tab 5 to common.

2.03.2 Apply -4.5 volts DC at tab 9. Voltage at test point TSO shall be zero.

2.03.3 Apply +8.0 volts DC at tab 9. Voltage at test point TSO shall be +8.7 to +10.8 volts DC. 9.4

2.03.4 Adjust P270 fully CW.

2.03.5 Apply +50. volts DC at tab 9. Voltage at test point TSO shall be zero.

2.03.6 Apply -100V DC at tab 9. Voltage at test point TSO shall be +8.7 to +10.8 volts DC. Open tab to common connection.

2.04 Current Limit Reference

2.04.1 Monitor test point +CL. Adjust current limit pot P271 and varyify that voltage at +CL can be adjusted from +2.5 to +11.

2.04.2 Adjust pot 271 until +CL is 10.0 volts. Voltage at test point -CL shall be the same magnitude as at +CL, +250 milli-volts but opposite in polarity.

2.04.3 At the initial levels of 2.04.2 and 2.03.6, connect tab 5 to tab 23. The voltage at test point +CL shall now be +1.6 to +3.4 volts DC. Remove jumper. -2.49 - 2.50

2.05 Current Spillover Circuit and Error Limit

2.05.1 Adjust P271 until +CL is 5.0 volts DC. Tie tab 21 to common.

2.05.2 Apply +8.5 volts at tab 10. Voltage at test point ISO shall be zero for both conditions.

2.05.3 Apply +12.4 volts at tab 10. Voltage at test point ISO shall be +1.6 to +11.2 volts (respectively).

2.05.4 Apply a voltage at tab 14 at +5.2V DC. The voltage at tab 22 should be +0.2 to +1.0 respectively. Remove voltage at tab 14 after completion of this test. +.35v

2.06 Lockouts

tab 28

2.06.1 Tie/ to common. Place 100K at tab 26 to common. Voltage at 26 shall be zero. Voltage at test point LO should be less than zero (slightly negative). -3.0v

2.06.2 Apply +10.0 volts at tab 21. Short circuit current measured out of tab 22 shall be 1.46, +.05 milliamperes. 1.456 mA

2.06.3 Apply +30V at tab 27. Voltage at tab 26 shall be +20 to +30V. 23.7  
Apply -30V at tab 27. Voltage at tab 26 shall be +.1V or less. -0.005

REVIS:

1 Chg 2.03, 2.05, 2.06, 11/1/73

5D(B)

5E(B)

5K(B)

5L(B)

5P(B)

5QC(C)

5R(B)

PRINT

MADE BY	HJ Brown	8-17-73	APPROVALS	SPEED VARIATOR	DIV OR DEPT.	224X705AA
ISSUED	J. Shepard	8-17-73		Erie, Pa.	LOCATION	CONT ON SHEET 2
						SH NO. 1
FF-803-WA (1-70) PRINTED IN U.S.A.						CODE 100A

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<p>2.06.4 Open tab 28. Voltage at tab 26 shall now be less than 1 volt. Voltage at test point 10 shall be +18 to 19.7 volts. 19.06</p> <p>2.06.5 Apply <math>\pm 10.0</math> volts at tab 21. Short circuit current measured out of tab 22 shall be less than <math>\pm 100</math> 18.9 <math>\mu A</math> microamperes (respectively).</p> <p>3.0 <u>CONDITIONS</u></p> <p>3.01 Voltage: <math>\pm 30V</math> DC, <math>\pm 3V</math> DC <math>\pm 20V</math> DC, <math>\pm 0.4V</math> DC</p> <p>3.02 Ambient temperature: room temperature.</p> <p>4.0 <u>REQUALIFICATION</u></p> <p>This card should be requalified every 18 months or 400 production units, whichever occurs first.</p>						REVISIO
						Chg 2.06.4 11/1/73
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						5D (BW)
						5E (BW)
						5K (BW)
						5L (BW)
						5P (BW)
						5QC (2)
						5R (BW)
						PRINTS

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**REVIEWS**

Mr. Kesteloot was to be made to this degree without the specific approval of the Government Engineering Division and the head Swiss Government.

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PROPRIETARY INFORMATION OF THE GENERAL ELECTRIC COMPANY