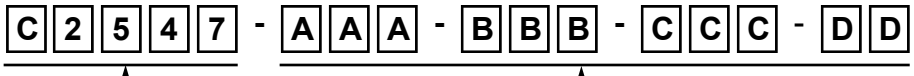
C2547 Universal Amplifier Assembly Model Selection



MODEL SERIES: **SUFFIX IDENTIFIER:**

C2547 = Universal amplifier assembly.

AAA = INPUT POWER SUPPLY VOLTAGE:

100 = Plus and minus 10 to 30 volts dc.

150 = Plus and minus 15 to 30 volts dc.

BBB = RATED INPUT VOLTAGE OR CURRENT SIGNAL:

030 = Plus and minus 3 volts dc.

050 = Plus and minus 5 volts dc.

100 = Plus and minus 10 volts dc.

CCC = RATED OUTPUT VOLTAGE SIGNAL:

030 = Plus and minus 3 volts dc.

050 = Plus and minus 5 volts dc.

100 = Plus and minus 10 volts dc.

DD = FACTORY ASSIGNED OPTION IDENTIFIER:

00 = Standard, no options supplied.

XX = Special features, factory assigned number.

NOTES:

1) The rated output voltage, defined by suffix CCC, refers to the output voltage from the servo amplifier section. The rated output voltage from the other function blocks on the universal amplifier board is equal to the rated input voltage, as defined by suffix BBB.
2) For models with 10 volt dc output signal (suffix CCC = 100) the input power supply must not be less than 15 volts dc (suffix AAA = 150).
3) The servo amplifier bias adjustment may be reconnected on the circuit board and used as a zero adjustment for the signal scale section.
4) The servo amplifier output is a voltage signal and is not capable of providing the current required to drive most servovalve coils directly. A suitable voltage to current converter, such as Datatran's model series B2383 may be used to provide the required drive current. For optimum performance, servovalves should be driver with a current controlled signal. Voltage control will cause the output to change with any changes in the valve coil impedance.

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