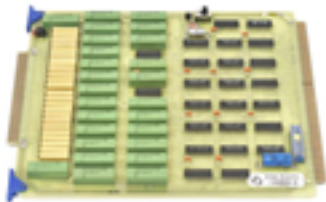


CDS 53A-342 Dual Decade Resistance Programming Card



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Limited Availability
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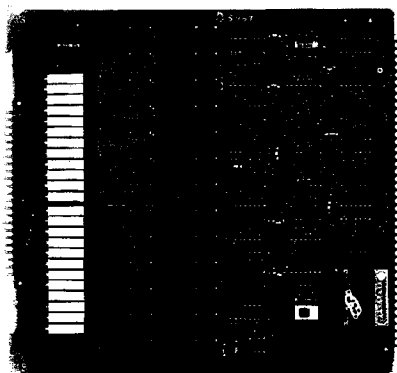
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- Two independently programmable resistors
- Resolution of 1,000 steps
- Step size adjustable from 10 to 100 Ohms
- User-definable values may be substituted for standard values



ORDERING INFORMATION

53A-342 - Dual Decade Resistance Programming Card

OPT 10 - Fixed Resistors, 10 Ohm Step Size

OPT 11 - Fixed Resistors, 1 Ohm Step Size

OPT 1C - Fixed Resistors, 100 Ohm Step Size

53A-780 - Hooded Connector

The Dual Decade Resistance Programming Card provides two independently programmable resistors. Each resistor has a resolution of three decimal digits (1,000 steps). The steps are controlled by relays switching in and out resistors in a resistor ladder. This provides excellent electrical isolation, and is useful for applications such as resistively programming power supplies, programming a known resistance into a circuit under test or automatically tuning a circuit. The resistors in the resistor ladder are variable, thus allowing the user to set a specific full scale resistance value. The full scale range is 10 KOhms to 100 KOhms. The user may tap into the resistor ladder at twelve different points.

Specifications

Type Resistors:

Two sets of three decade programmable resistors, each set consisting of 12 variable cermet resistors. Individual resistors are $\frac{3}{4}$ Watt, twenty turn.*

Minimum Resistance Step:

Adjustable from 10 Ohms to 100 Ohms.*

*Standard values. The user may substitute fixed or variable resistors of different values to better satisfy a particular application. Contact your local sales office for details.

Maximum Resistance:

Adjustable from 9,990 Ohms to 99,990 Ohms.

Programming Speed:

100 steps/sec, zero to full scale steps.

Resolution:

Three significant digits.

Absolute Accuracy:

1.0% of full scale.

Temperature Coefficient:

$\pm 0.01\%/^{\circ}\text{C}$.

Programmed By:

ASCII Characters.

Recommended Cable:

53A-780.

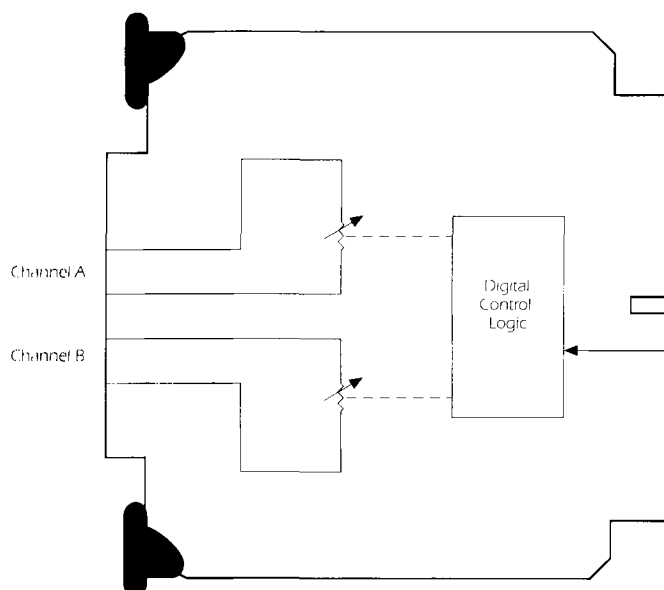
Available Options:

OPT 10, fixed resistors, 10 Ohm step size.

OPT 11, fixed resistors, 1 Ohm step size.

OPT 1C, fixed resistors, 100 Ohm step size.

Many custom resistance options are available, please contact the factory for more information.



53A-342

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