



Card Code	Part No	Circuit Use
HK--	371543	R

Integrator Load Card

The HK-- card consists of seven integrator networks used in the input-output area. These integrator networks serve as load and filter networks between the core drivers and the core input windings. Special mode input and output signals are associated with the integrator networks.

Circuit Description

When the core driver is off (as shown above), no current flows to the core input windings. The capacitor is discharged and the voltage at pin E is -20v. A negative input to the core driver transistor causes the transistor to

turn on, which increases the input voltage level of the integrator to 0v. A surge current from the capacitor through the 120 ohm resistor and the transistor quickly charges the capacitor and sets the integrator output to 0v. Conduction from the -20v supply through the core input winding to the integrator and core driver is enough to set the core on.

Application

These integrator networks are normally used with the word size buffer core cards (GN--).