

# MSI/LSI, DIGITAL, DIGITAL & LINEAR CIRCUITS

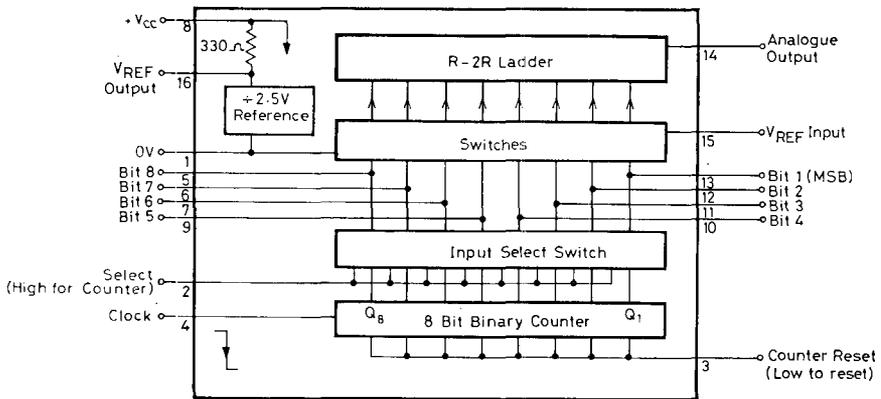
## 8 BIT D to A/A to D CONVERTER

## ZN425E/ZN425J SERIES

The ZN425E is a low cost 8-bit dual mode analogue to digital/digital to analogue converter encapsulated in a 16 lead dual in-line package. It contains an 8-bit D to A converter, using an advanced design of R – 2R ladder network and an array of precision bipolar switches, plus an 8-bit binary counter and a 2.5 volt precision voltage reference all on a single monolithic chip.

### FEATURES

- Single chip monolithic construction
- Dual mode, Digital to Analogue/Analogue to Digital converter
- 8, 7 and 6 bit accuracy
- Monotonic over full temperature range
- On chip precision voltage reference
- Includes 8-bit binary counter
- Will function as self-contained precision ramp generator
- TTL and CMOS compatible, single 5V supply
- Direct voltage output
- 16 lead plastic or ceramic D.I.L. encapsulation



4414/2

System Diagram