# PRELIMINARY SPECIFICATIONS FOR RC 7000 BINARY COUNTER

Abstract:   Binary counter specification.

## Preliminary specifications for CNT 701

CNT 701 is a 16-channel binary counter. The CNT 701 count directly in the memory. The program set the start address for the first channel and CNT 701 set automatically the addresses for the other channels in a row with an increment by one.


## Specifications:

CNT 701 counting channels are galvanic separated from the source by ga-As light emitting diodes.

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|---|---|
| max.voltage between source and CNT 701: | 1500 V |
| max.capacity between source and CNT 701: | 5 pF |
| Type of input: | 2 wire current input from external source. |
| Applied voltage and current to the input: | a. 30 mA $\pm$ 20% at max. 1,5 volt for a count increment. |
| | b. 0,5 mA at max. 1,5 volt for stand by positioned. |
| Max. reverse voltage: | 5 volt |
| Counting rate: | 10 kHz per channel (min.) |
| Pulse with of counting increment: | 5 usec, (min.) |
| Supply power: | + 5 volt $\pm$ 5% at 3 amps. |
| Dimensions: | Height: 22.86 mm |
| | Width: 380 mm |
| | Depth: 390 mm. |
| Temperatur range: | 0-45 degree C at relative humidity 30-70 per cent. |
| Weight: | 1,1 kg. |