

FEATURES:

- 14-PIN PACKAGE
- 10 TTL FAN-OUT CAPACITY
- TTL SCHOTTKY INTERFACED
- OUTPUT FREQUENCY TOLERANCE:±2%
- OUTPUT DUTY CYCLE:50%±5%

ELECTRICAL CHARACTERISTICS:

| | | |
|---|---|-------------|
| I _{IH} Logic"1" Input Current | : | 50uA max |
| I _{IL} Logic"0" Input Current | : | -2mA max |
| V _{OH} Logic"1" Output Voltage | : | 2.7V min |
| V _{OL} Logic"0" Output Voltage | : | 0.5V max |
| V _{IH} Logic"1" Input Voltage | : | 2.0V min |
| V _{IL} Logic"0" Input Voltage | : | 0.8V max |
| T _A Operating Temperature | : | 0°C to 70°C |
| N _H Fanout"1" Output | : | 20 TTL Load |
| N _L Fanout"0" Output | : | 10 TTL Load |
| Supply Current | : | 75mA TYP. |

INPUT PULSE TEST CONDITION:

| | | |
|--------------------------------|---|---------------------------------|
| Pulse Voltage | : | 3.2V |
| Pulse Width | : | 50nS Min. or 100%T _d |
| Duty Cycle | : | <50% |
| Pulse Rise Time | : | 2nS(0.75 TO 2.4V) |
| Time Delay Measured | : | @1.5V level |
| Supply Voltage V _{cc} | : | 5.0±0.25Vdc |

YUAN DEAN SCIENTIFIC



Delay Line

53A SERIES

14 Pin

TTL Schottky

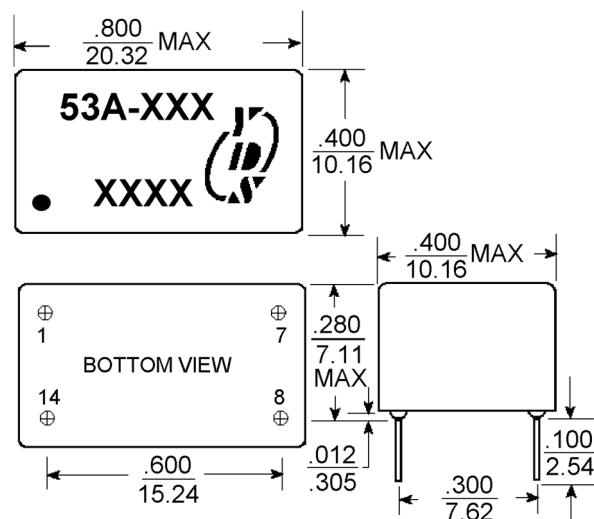
Square Wave Generator



ELECTRICAL SPECIFICATIONS

| PART NO. | OUTPUT FREQUENCY | PART NO. | OUTPUT FREQUENCY |
|-----------|------------------|-----------|------------------|
| 53A-002NL | 2MHz | 53A-035NL | 35MHz |
| 53A-003NL | 3MHz | 53A-040NL | 40MHz |
| 53A-004NL | 4MHz | 53A-045NL | 45MHz |
| 53A-005NL | 5MHz | 53A-050NL | 50MHz |
| 53A-010NL | 10MHz | 53A-060NL | 60MHz |
| 53A-015NL | 15MHz | 53A-070NL | 70MHz |
| 53A-020NL | 20MHz | 53A-080NL | 80MHz |
| 53A-025NL | 25MHz | 53A-090NL | 90MHz |
| 53A-030NL | 30MHz | 53A-100NL | 100MHz |

Markings and Dimensions



Dimensions: inches/mm Unless otherwise specified, all tolerances are $\pm 0.10/\pm 0.25$

Pin Connections

