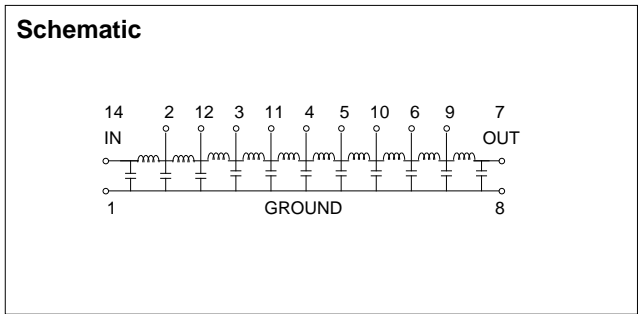


14 Pin DIP Passive Delay Lines

| Zo OHMS ±10% | DELAY nS ±5% or ± 2nS† | TAP DELAYS nS ±10% or ± 0.5nS† | RISE TIME nS Max. | ATTEN DB Max. | PCA PART NUBER | Zo OHMS ±10% | DELAY nS ±5% or ± 2nS† | TAP DELAYS nS ± 10% or ± 0.5nS† | RISE TIME nS Max. | ATTEN DB Max. | PCA PART NUMBER |
|--------------------|------------------------------|---|----------------------------|---------------------|----------------------|--------------------|------------------------------|--|----------------------------|---------------------|-----------------------|
| 50 | 10 | 1 | 3 | 1 | EP6400-1 | 200 | 100 | 10 | 20 | 1 | EP6400-8 |
| 50 | 25 | 2.5 | 5 | 1 | EP6400-2 | 200 | 200 | 20 | 40 | 1 | EP6400-9 |
| 50 | 50 | 5 ±1 | 10 | 1 | EP6400-3 | 250 | 250 | 25 | 50 | 1 | EP6400-16 |
| 100 | 20 | 2 | 4 | 1 | EP6400-4 | 300 | 60 | 6 ±1 | 12 | 1 | EP6400-10 |
| 100 | 50 | 5 ±1 | 10 | 1 | EP6400-5 | 300 | 150 | 15 | 30 | 1 | EP6400-11 |
| 100 | 100 | 10 | 20 | 1 | EP6400-6 | 300 | 300 | 30 | 60 | 1 | EP6400-12 |
| 100 | 250 | 25 | 50 | 1 | EP6400-18 | 500 | 100 | 10 | 20 | 1 | EP6400-13 |
| 200 | 20 | 2 | 4 | 1 | EP6400-17 | 500 | 250 | 25 | 50 | 2 | EP6400-14 |
| 200 | 40 | 4 | 8 | 1 | EP6400-7 | 500 | 500 | 50 | 100 | 2 | EP6400-15 |

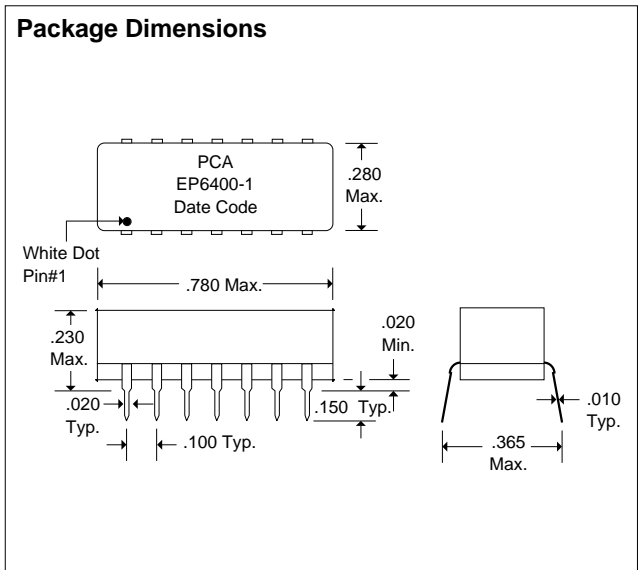
†Which ever is greater.

| DC Electrical Characteristics | Min | Max | Unit |
|----------------------------------|-----|-----|----------|
| Distortion | | ±10 | % |
| Temperature Coefficient of Delay | | 100 | PPM/°C |
| Insulation Resistance @ 100 Vdc | 1K | | Meg Ohms |
| Dielectric Strength | | 100 | Vdc |



| Recommended Operating Conditions | Min | Max | Unit |
|----------------------------------|-----|-----|------|
| PW* | | 200 | % |
| D* | | 40 | % |
| TA | 0 | 70 | °C |

*These two values are inter-dependent.



| Input Pulse Test Conditions @ 25°C | | |
|------------------------------------|---|---------|
| V _{IN} | Pulse Input Voltage | 3 Volts |
| PW | Pulse Width % of Total Delay | 300 % |
| T _{RI} | Input Rise Time (10 - 90%) | 2.0 nS |
| PRR | Pulse Repetition Rate @ T _d ≤ 150 nS | 1.0 MHz |
| | Pulse Repetition Rate @ T _d > 150 nS | 300 KHz |