

LEXOR

A division of customDesignTechnologies Ltd

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Unit B, Nigel Court, Ward Road, Buckingham Road Industrial Estate, Brackley, NN13 7LF, United Kingdom

Dual-In-Line Tapped Delay Network "Dipline" 24 Pin Series L - Surface Mount

Basic Specification

| | |
|----------------------------------|--|
| Delay Range | 50 nS to 2 μ S \pm 5% |
| Impedance Range | 50 Ω to 560 Ω \pm 10% |
| Number of Sections | 20 'M' - derived 'T' sections |
| Taps | 20 at 5% intervals |
| Rise-time | Better than 10% of Total Delay |
| Distortion | \pm 10% Max. |
| Attenuation | 1.0dB/ μ S or 0.5dB (whichever is greater) |
| Working Voltage | 50V |
| Temperature Coefficient of Delay | \pm 200 p.p.m./ $^{\circ}$ C Max |
| Operating Temperature Range | -50 $^{\circ}$ C to +125 $^{\circ}$ C |
| Encapsulation | Flame Retardant Epoxy Resin |

Selection Table

| Delay Time, nS | 50 Ω | 75 Ω | 100 Ω | 200 Ω | 500 Ω | 560 Ω |
|----------------|-------------|-------------|--------------|--------------|--------------|--------------|
| 50 | - | - | 101 | 044 | - | - |
| 100 | 022 | 090 | 007 | 011 | 035 | 145 |
| 150 | 075 | 091 | 102 | 116 | 132 | 146 |
| 200 | 033 | 003 | 008 | 012 | 060 | 147 |
| 250 | 076 | 004 | 103 | 027 | 067 | 017 |
| 300 | 077 | 092 | 104 | 117 | 133 | 148 |
| 350 | 078 | 049 | 105 | 118 | 134 | 149 |
| 400 | 024 | 059 | 009 | 119 | 061 | 150 |
| 450 | 079 | 093 | 106 | 120 | 135 | 151 |
| 500 | 056 | 031 | 057 | 037 | 043 | 018 |
| 550 | 080 | 094 | 107 | 121 | 136 | 152 |
| 600 | 081 | 095 | 108 | 122 | 137 | 072 |
| 650 | 082 | 006 | 109 | 123 | 138 | 153 |
| 700 | 083 | 096 | 110 | 124 | 139 | 025 |
| 800 | 084 | 097 | 111 | 125 | 062 | 154 |
| 900 | 085 | 098 | 112 | 126 | 140 | 155 |
| 1000 | 001 | 002 | 055 | 032 | 013 | 054 |
| 2000 | - | - | 040 | 127 | - | - |

Example; A Dipline 24 Pin Series L surface mount, 500nS delay, 200 Ω Impedence, is ordered as L037G.

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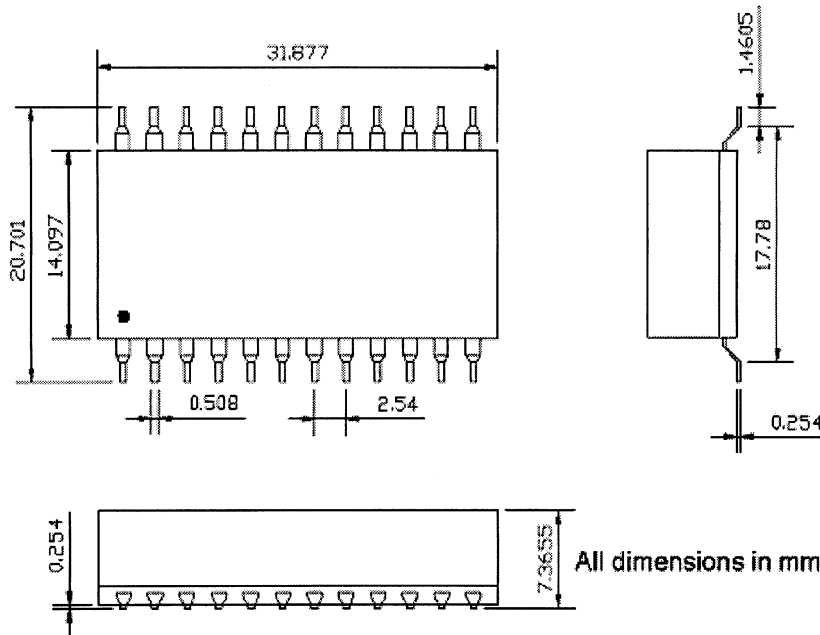
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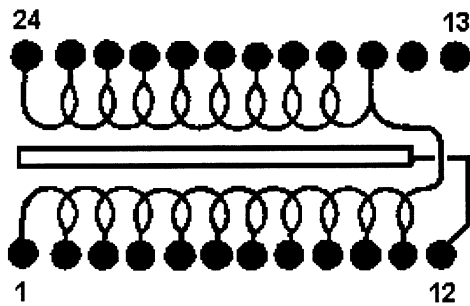
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Mechanical Detail



Connection Detail



Schematic

| Pin No. | Tap No. | Delay % |
|---------|---------------|---------|
| 1 | Input | 0 |
| 2 | 1 | 5 |
| 3 | 2 | 10 |
| 4 | 3 | 15 |
| 5 | 4 | 20 |
| 6 | 5 | 25 |
| 7 | 6 | 30 |
| 8 | 7 | 35 |
| 9 | 8 | 40 |
| 10 | 9 | 45 |
| 11 | 10 | 50 |
| 12 | Earth | Earth |
| 13 | Not Connected | N.C |
| 14 | Not Connected | N.C |
| 15 | 11 | 55 |
| 16 | 12 | 60 |
| 17 | 13 | 65 |
| 18 | 14 | 70 |
| 19 | 15 | 75 |
| 20 | 16 | 80 |
| 21 | 17 | 85 |
| 22 | 18 | 90 |
| 23 | 19 | 95 |
| 24 | 20 | 100 |