

LEXOR

A division of customDesignTechnologies Ltd

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Miniature Tapped Delay Network 2704 Series

Basic Specification

Delay Range ----- 1 μ S to 50 μ S \pm 5%
Impedance Range ----- 50 Ω to 1K Ω \pm 10%
Number of Sections ----- 30 'M' - derived pi sections
Taps ----- 30 at 3.33% intervals
Rise-time ----- Better than 6% of Total Delay
Distortion ----- \pm 10% Max.
Attenuation ----- 0.20dB to 2.50dB (0.15dB/octive)
Working Voltage ----- 50V
Temperature Coefficient of Delay ----- \pm 400 p.p.m./ $^{\circ}$ C Max
Operating Temperature Range ----- -20 $^{\circ}$ C to +70 $^{\circ}$ C
Encapsulation ----- Flame Retardant Epoxy Resin

Selection Table

Example: An 2704 Series, Miniature Delay Network, 9 μ S delay, 200 Ω impedance, is ordered as 2704B-076

| Delay Time | 50 Ω | 75 Ω | 100 Ω | 200 Ω | 500 Ω | 560 Ω | 1K Ω |
|------------|-------------|-------------|--------------|--------------|--------------|--------------|-------------|
| 1 μ S | - | - | - | 068 | 084 | 100 | 118 |
| 2 μ S | - | - | 051 | 069 | 085 | 101 | 119 |
| 3 μ S | - | 034 | 052 | 070 | 086 | 102 | 120 |
| 4 μ S | 017 | 035 | 053 | 071 | 087 | 103 | 121 |
| 5 μ S | 018 | 036 | 054 | 072 | 088 | 104 | 122 |
| 6 μ S | 019 | 037 | 055 | 073 | 089 | 105 | 123 |
| 7 μ S | 020 | 038 | 056 | 074 | 090 | 106 | 124 |
| 8 μ S | 021 | 039 | 057 | 075 | 090 | 107 | 125 |
| 9 μ S | 022 | 040 | 058 | 076 | 091 | 108 | 126 |
| 10 μ S | 023 | 041 | 059 | 077 | 092 | 109 | 127 |
| 15 μ S | 024 | 042 | 060 | 078 | 093 | 110 | 128 |
| 20 μ S | 025 | 043 | 061 | 079 | 094 | 111 | 129 |
| 25 μ S | 026 | 044 | 062 | 080 | 095 | 112 | 130 |
| 30 μ S | 027 | 045 | 063 | 081 | 096 | 113 | 131 |
| 35 μ S | 028 | 046 | 064 | 082 | 097 | 114 | 132 |
| 40 μ S | 029 | 047 | 065 | 083 | 098 | 115 | 133 |
| 45 μ S | 030 | 048 | 066 | 084 | 099 | 116 | 134 |
| 50 μ S | 031 | 049 | 067 | 085 | 100 | 117 | 135 |

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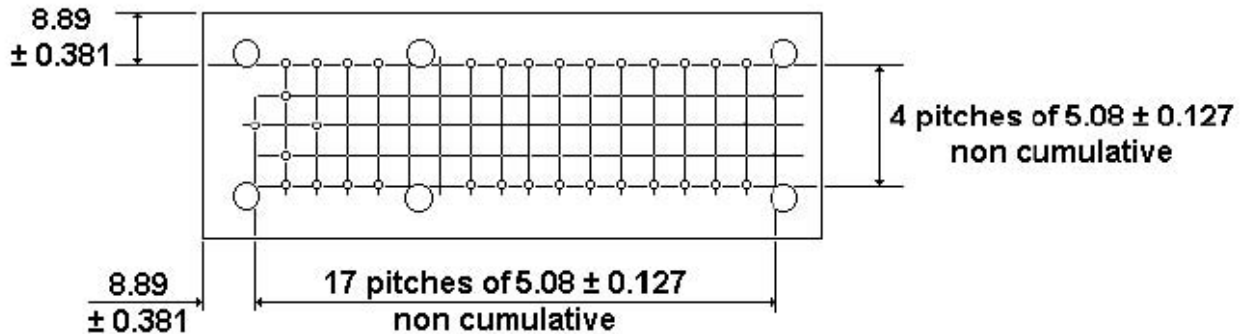
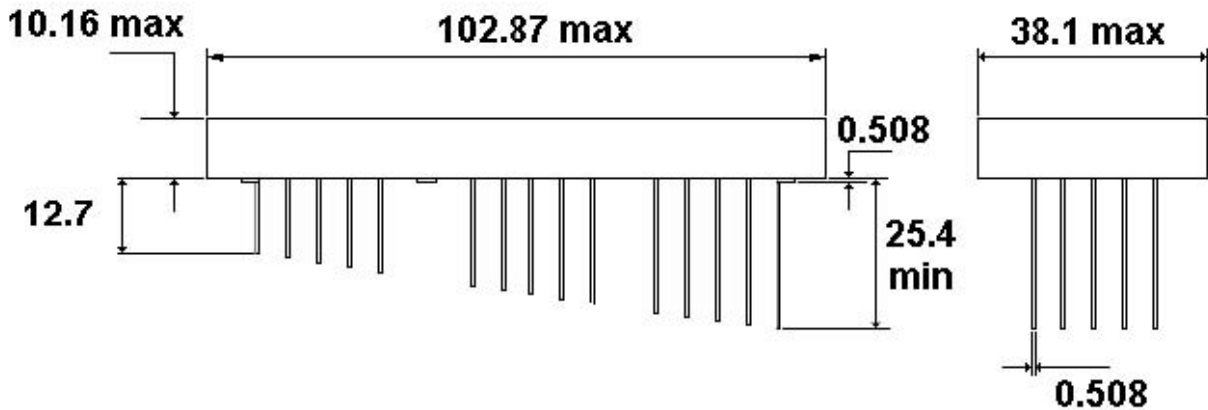
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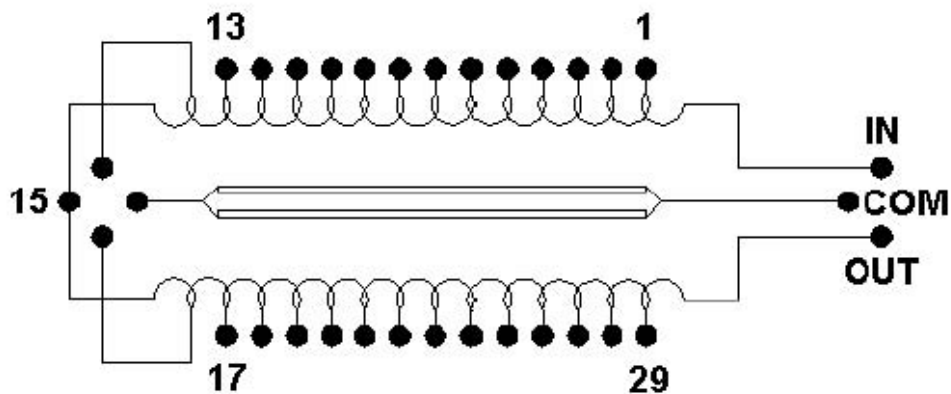
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Mechanical Detail



Connection Detail



All dimensions in mm