

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

Miniature Tapped Delay Network 7151 Series

Basic Specification

Delay Range ----- 50 nS to 1000nS $\pm 5\%$
Impedance Range ----- 50Ω to 560Ω $\pm 10\%$
Number of Sections ----- 10 'M' - derived 'T' sections
Taps ----- 9 High Impedance at 10% intervals of Total Delay, plus 2 matching end sections to facilitate cascading
Rise-time ----- Better than 15% of Total Delay
Distortion ----- $\pm 5\%$ Max.
Attenuation ----- Better than 0.50dB
Working Voltage ----- 50V
Temperature Coefficient of Delay ---- ± 100 p.p.m./ $^{\circ}\text{C}$ Max
Operating Temperature Range ----- -20°C to $+70^{\circ}\text{C}$
Encapsulation ----- Flame Retardant Epoxy Resin

Selection Table

Delay Time	50 Ω	75 Ω	100 Ω	200 Ω	500 Ω	560 Ω
50nS	039	052	018	072	084	010
100nS	040	053	065	027	085	011
150nS	041	054	002	073	086	012
200nS	042	055	066	074	087	013
250nS	043	056	067	075	088	014
300nS	044	057	068	076	089	022
400nS	045	058	004	077	090	097
500nS	046	059	020	078	091	015
600nS	-	060	005	079	092	098
700nS	-	061	069	080	093	099
800nS	-	-	070	081	094	100
900nS	-	-	071	082	095	101
1000nS	-	-	006	083	096	017

Example:

A 7151 Series, Miniature Tapped Delay Network, 400nS delay, 100Ω impedance, is ordered as 7151A-004.

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