

LEXOR

A division of customDesignTechnologies Ltd

www.customDesignTechnologies.com

Tel: +44 (0)1280 845530 Fax: +44 (0)1280 706900 e-mail:enquiries@lexor.co.uk

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

2484P-200 Programmable Pulse-Video Delay

Line General Description

This delay line can be used in pulse and analogue mode and provides fine adjustment of circuit path delay, in 5nS increments from zero to a maximum of 155nS. When used in digital circuitry its low losses and accurate timing allow precise correction to be made.

In the analogue mode its low distortion factor allows faithful transmission of time and coding pulses, while video signals with a bandwidth upto 10MHz may be handled with appropriate equalisers. (It does not contain internal equalisers).

Presentation is suitable for through-hole PCB mounting, with pins on a standard 0.1" (2.540mm) pitch matrix.

Other variations on the 2484P-200 are also available with different delay values and frequency ranges.

Electrical Specification

Delay -----	155nS Total, +10nS -5nS Increments 5,10,20,40,80. May be cascaded in any combination
Impedance -----	75Ω
Insertion Loss -----	0.15dB @ 155nS
Amplitude Response -----	-0.4dB @ 5.5MHz -0.8dB @ 10MHz
Group Delay Ripple -----	±5nS to 10MHz
Pulse Rise Time -----	20nS @ 155nS
Distortion to 10nS I/P -----	8% Max
DC. Resistance Total -----	3Ω Max
Operating Temperature Range ----	-20°C to +70°C

Physical Presentation

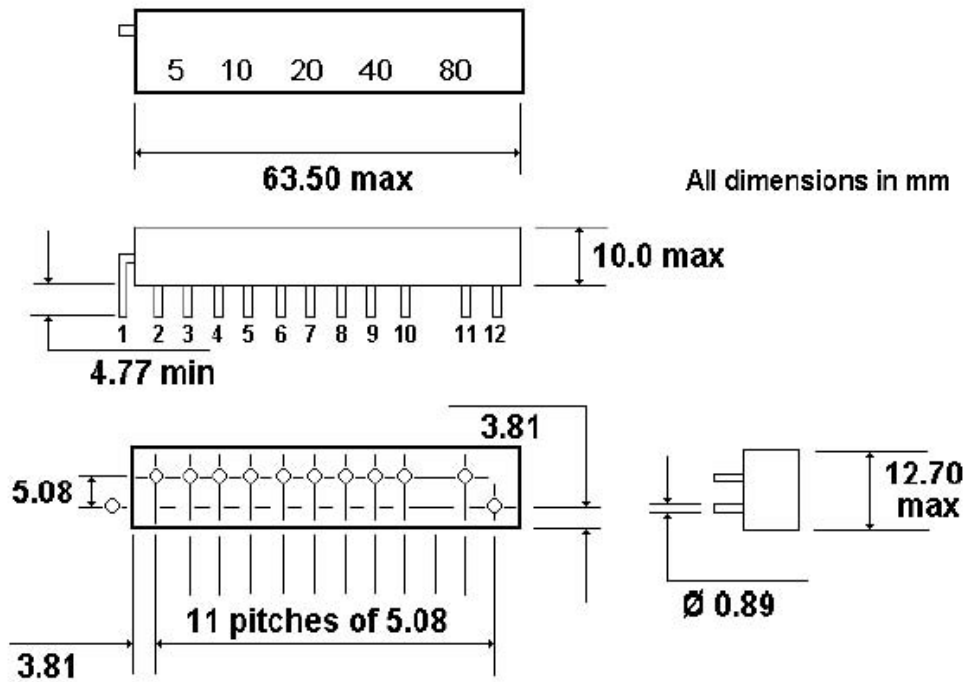
Dimensions:-----	2.5", 0.5", 0.375" (63.5mm,12.7mm,9.525mm)
Connection Pins-----	0.03" (0.75mm) dia. 0.20" (5.04mm) long 0.10" (2.54mm) pitch matrix
Encapsulation-----	Flame Retardant Epoxy Resin

LEXOR

A division of customDesignTechnologies Ltd
www.customDesignTechnologies.com

Tel: +44 (0)1280 845530 Fax: +44 (0)1280 706900 e-mail:enquiries@lexor.co.uk
Unit B, Nigel Court, Ward Road, Buckingham Road Industrial Estate, Brackley, NN13 7LF, United Kingdom

2484P-200 Programmable Pulse-Video Delay



Pin	Section
1,12	Ground
2 to 3	5nS
4 to 5	10nS
6 to 7	20nS
8 to 9	40nS
10 to 11	80nS