

FEATURES:

- 8-PIN SIP Package
- 1 equally-spaced taps
- Wide operating temperature range
- Fast rise time
- Low cost

YUAN DEAN SCIENTIFIC



ELECTRICAL CHARACTERISTICS:

Total Delay	: 500ps to 200ns
Rise time	: 20% Max of Total Delay
Characteristic Impedance	: 50 to 500Ω(±10%)
Attenuation	: 1dBmax(See Table)
Distortion	: ±10% max
Temperature Coefficient of Delay	: 100ppm/°C max
Operating Temperature Range	: -55°C to +125°C
Storage Temperature Range	: -65°C to +130°C
Insulation Resistance	: 100MΩ min @50VDC
Dielectric Strength	: 50VDC

Delay Line

30P SERIES

8 Pin

Single In-Line

Passive



INPUT PULSE TEST CONDITION:

Pulse Voltage	: 2.5V
Pulse Width	: 5Td
Pulse Rise Time	: 2ns(10% to 90%)



ELECTRICAL SPECIFICATIONS

PART NO.	TOTAL DELAY (ns)	RISE TIME MAX(ns)	ATTENUATION(%) PER IMPEDANCE(Ω)					
			50	100	200	300	500	
30P-001XXNL	1.0±0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30P-001R5XXNL	1.5±0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30P-002XXNL	2.0±0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30P-002R5XXNL	2.5±0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30P-003XXNL	3.0±0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30P-003R5XXNL	3.5±0.25	1.0	1.0	1.0	1.0	1.0	1.0	2.0
30P-004XXNL	4.0±0.25	1.0	1.0	1.0	1.0	1.0	1.0	2.0
30P-004R5XXNL	4.5±0.25	1.0	1.0	1.0	2.0	1.0	1.0	2.5
30P-005XXNL	5.0±0.25	1.1	1.0	1.5	2.0	2.0	2.0	2.5

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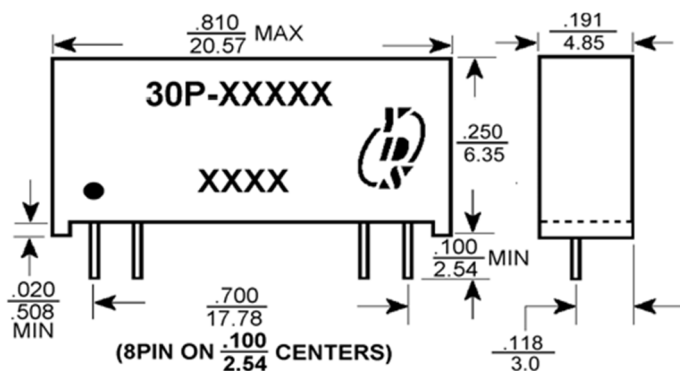
E-MAIL: ydsweb@yds.com.tw

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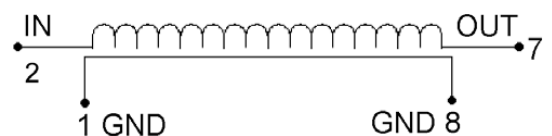
ELECTRICAL SPECIFICATIONS

PART NO.	TOTAL DELAY (ns)	RISE TIME MAX(ns)	ATTENUATION(%) PER IMPEDANCE(Ω)				
			50	100	200	300	500
30P-005R5XXNL	5.5±0.25	1.2	1.5	1.5	2.0	2.0	3.0
30P-006XXNL	6.0±0.25	1.3	1.5	1.5	2.0	2.0	3.0
30P-006R5XXNL	6.5±0.25	1.4	1.5	1.5	2.0	2.5	3.0
30P-007XXNL	7.0±0.25	1.5	1.5	1.5	2.0	2.0	4.0
30P-007R5XXNL	7.5±0.25	1.6	1.5	1.5	2.0	2.5	4.0
30P-008XXNL	8.0±0.25	1.7	1.5	1.5	2.5	2.5	4.0
30P-008R5XXNL	8.5±0.25	1.8	1.5	2.0	2.5	3.0	4.0
30P-009XXNL	9.0±0.25	1.9	1.5	2.0	2.5	3.0	5.0
30P-009R5XXNL	9.5±0.25	2.0	1.5	2.0	2.5	3.0	5.0
30P-010XXNL	10.0±0.25	2.0	1.5	2.0	2.5	3.0	5.0
30P-015XXNL	15.0±0.50	2.8	2.0	2.0	3.0	3.5	5.0
30P-020XXNL	20.0±0.60	3.8	2.0	3.0	3.0	4.0	5.0
30P-030XXNL	30.0±0.90	5.5	2.0	3.0	4.0	4.0	5.0
30P-040XXNL	40.0±1.20	7.4	3.0	4.0	4.0	5.0	6.0
30P-050XXNL	50.0±1.50	8.6	3.0	4.0	4.0	5.0	6.0
30P-075XXNL	75.0±2.25	14.0	3.0	4.0	5.0	5.0	7.0
30P-100XXNL	100.0±3.00	20.0	3.0	4.0	5.0	6.0	7.0
30P-125XXNL	125.0±3.75	25.0	3.0	5.0	6.0	7.0	8.0
30P-150XXNL	150.0±4.50	30.0	4.0	5.0	6.0	7.0	8.0
30P-175XXNL	175.0±5.25	34.0	4.0	5.0	6.0	7.5	9.0
30P-200XXNL	200.0±6.00	38.0	4.0	5.5	6.5	7.5	9.0
30P-250XXNL	250.0±7.50	46.0	4.0	5.5	7.0	8.0	9.0

Markings and Dimensions



Pin Connections



Dimensions: inches/mm

Unless otherwise specified, all tolerances are ±.010/±0.25