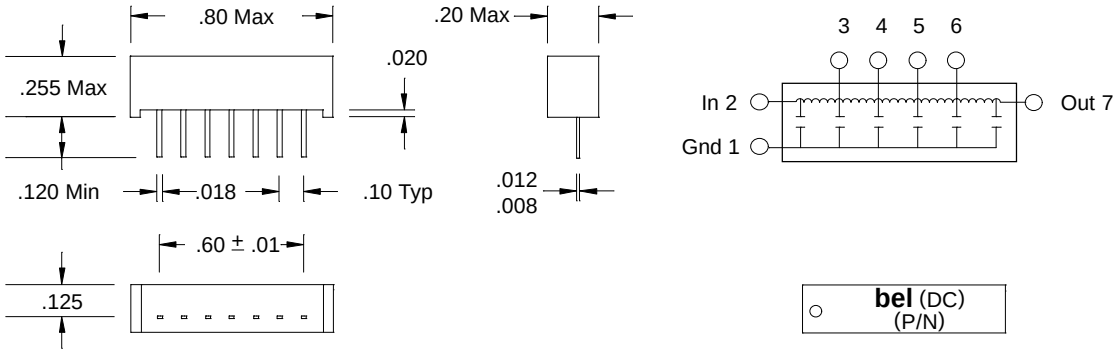
# 5 TAP 7 PIN SIP
# PASSIVE DELAY MODULES

Cat 14-R3




## Part Numbers

| Part Number | Impedance ± 10% | Total Delay | Tap-Tap Delay | Rise Time | DCR Maximum |
|---|---|---|---|---|---|
| 0475-0005-50 | 50 Ohms | 5 ± 0.5 ns | 1 ± 0.3 ns | 2.0 ns | 0.6 Ohms |
| 0475-0010-50 | 50 Ohms | 10 ± 1.0 ns | 2 ± 0.4 ns | 3.0 ns | 0.6 Ohms |
| 0475-0020-50 | 50 Ohms | 20 ± 1.0 ns | 4 ± 0.6 ns | 6.0 ns | 0.8 Ohms |
| 0475-0030-50 | 50 Ohms | 30 ± 1.5 ns | 6 ± 1.0 ns | 9.0 ns | 1.2 Ohms |
| 0475-0040-50 | 50 Ohms | 40 ± 2.0 ns | 8 ± 1.5 ns | 12.0 ns | 1.8 Ohms |
| 0475-0050-50 | 50 Ohms | 50 ± 2.5 ns | 10 ± 1.8 ns | 15.0 ns | 2.3 Ohms |
| 0475-0060-50 | 50 Ohms | 60 ± 3.0 ns | 12 ± 2.0 ns | 18.0 ns | 2.5 Ohms |
| 0475-0070-50 | 50 Ohms | 70 ± 3.5 ns | 14 ± 2.0 ns | 21.0 ns | 3.5 Ohms |
| 0475-0080-50 | 50 Ohms | 80 ± 4.0 ns | 16 ± 2.0 ns | 24.0 ns | 4.2 Ohms |
| 0475-0090-50 | 50 Ohms | 90 ± 4.5 ns | 18 ± 3.0 ns | 27.0 ns | 4.5 Ohms |
| 0475-0100-50 | 50 Ohms | 100 ± 5.0 ns | 20 ± 3.0 ns | 30.0 ns | 5.2 Ohms |
| 0475-0005-01 | 100 Ohms | 5 ± 0.5 ns | 1 ± 0.3 ns | 2.0 ns | 0.7 Ohms |
| 0475-0010-01 | 100 Ohms | 10 ± 1.0 ns | 2 ± 0.4 ns | 3.0 ns | 1.0 Ohms |
| 0475-0020-01 | 100 Ohms | 20 ± 1.0 ns | 4 ± 0.6 ns | 6.0 ns | 1.5 Ohms |
| 0475-0030-01 | 100 Ohms | 30 ± 1.5 ns | 6 ± 1.0 ns | 9.0 ns | 2.5 Ohms |
| 0475-0040-01 | 100 Ohms | 40 ± 2.0 ns | 8 ± 1.5 ns | 12.0 ns | 4.0 Ohms |
| 0475-0050-01 | 100 Ohms | 50 ± 2.5 ns | 10 ± 1.8 ns | 15.0 ns | 5.0 Ohms |
| 0475-0060-01 | 100 Ohms | 60 ± 3.0 ns | 12 ± 2.0 ns | 18.0 ns | 5.5 Ohms |
| 0475-0070-01 | 100 Ohms | 70 ± 3.5 ns | 14 ± 2.0 ns | 21.0 ns | 6.0 Ohms |

## Electrical Characteristics

| | |
|---|---|
| Delay Measurement | 50% Levels |
| Rise Time Measurement | 10%-90% Levels |
| Distortion | ± 10% |
| Insulation Resistance @ 50 Vdc | 10K Megohms Min. |
| Dielectric Withstanding Voltage | 50 Vdc |
| Operating Temperature Range | -55ºC to +125ºC |
| Temperature Coefficient of Delay | 100 PPM/ºC Max. |
| Minimum Input Pulse Width | 3 x Trout or 5 ns W.I.G. |
| Maximum Duty Cycle | 60% |

**Other Delays and Impedances Available**
**Consult Sales**

## Test Conditions @ 25ºC

| | | |
|---|---|---|
| Ein | Pulse Voltage | 1 Volt Typical |
| Trin | Rise Time | 2.0 ns (10%-90%) |
| PW | Pulse Width | 3 x Total Delay |
| PP | Pulse Period | 4 x Pulse Width |

## Notes

Transfer molded for better reliability
Compatible with ECL & TTL circuits
Terminals: Electro-Tin plate phosphor bronze
Performance warranty is limited to specified parameters listed

*Specifications subject to change without notice.*

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