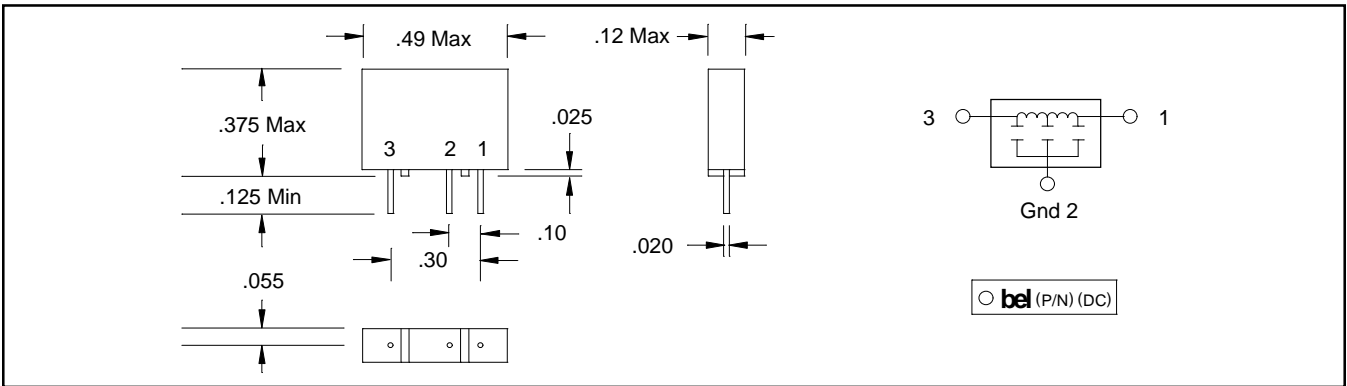


# 3 PIN SIP PASSIVE DELAY MODULES

Cat 27-R3



### Part Numbers

55 Ohms ± 10%	75 Ohms ± 10%	82 Ohms ± 10%	93 Ohms ± 10%	Total Delay	Rise Time (True)	DCR Maximum
0402-00.5-55	0402-00.5-75	0402-00.5-82	0402-00.5-93	0.5 ± 0.20 ns	1.6 ns	0.18 Ohms
0402-0001-55	0402-0001-75	0402-0001-82	0402-0001-93	1.0 ± 0.20 ns	1.6 ns	0.20 Ohms
0402-01.5-55	0402-01.5-75	0402-01.5-82	0402-01.5-93	1.5 ± .020 ns	1.6 ns	0.23 Ohms
0402-0002-55	0402-0002-75	0402-0002-82	0402-0002-93	2.0 ± 0.20 ns	1.6 ns	0.25 Ohms
0402-02.5-55	0402-02.5-75	0402-02.5-82	0402-02.5-93	2.5 ± 0.20 ns	1.7 ns	0.33 Ohms
0402-0003-55	0402-0003-75	0402-0003-82	0402-0003-93	3.0 ± 0.20 ns	1.7 ns	0.37 Ohms
0402-03.5-55	0402-03.5-75	0402-03.5-82	0402-03.5-93	3.5 ± 0.20 ns	1.7 ns	0.46 Ohms
0402-0004-55	0402-0004-75	0402-0004-82	0402-0004-93	4.0 ± 0.20 ns	1.7 ns	0.50 Ohms
0402-04.5-55	0402-04.5-75	0402-04.5-82	0402-04.5-93	4.5 ± 0.25 ns	1.8 ns	0.58 Ohms
0402-0005-55	0402-0005-75	0402-0005-82	0402-0005-93	5.0 ± 0.25 ns	1.8 ns	0.62 Ohms
0402-05.5-55	0402-05.5-75	0402-05.5-82	0402-05.5-93	5.5 ± 0.30 ns	1.9 ns	0.71 Ohms
0402-0006-55	0402-0006-75	0402-0006-82	0402-0006-93	6.0 ± 0.30 ns	2.0 ns	0.75 Ohms
0402-06.5-55	0402-06.5-75	0402-06.5-82	0402-06.5-93	6.5 ± 0.30 ns	2.1 ns	0.78 Ohms
0402-0007-55	0402-0007-75	0402-0007-82	0402-0007-93	7.0 ± 0.30 ns	2.2 ns	0.80 Ohms
0402-07.5-55	0402-07.5-75	0402-07.5-82	0402-07.5-93	7.5 ± 0.30 ns	2.3 ns	0.83 Ohms
0402-0008-55	0402-0008-75	0402-0008-82	0402-0008-93	8.0 ± 0.30 ns	2.4 ns	0.85 Ohms
0402-08.5-55	0402-08.5-75	0402-08.5-82	0402-08.5-93	8.5 ± 0.30 ns	2.5 ns	0.88 Ohms
0402-0009-55	0402-0009-75	0402-0009-82	0402-0009-93	9.0 ± 0.30 ns	2.6 ns	0.90 Ohms
0402-09.5-55	0402-09.5-75	0402-09.5-82	0402-09.5-93	9.5 ± 0.30 ns	2.7 ns	0.93 Ohms
0402-0010-55	0402-0010-75	0402-0010-82	0402-0010-93	10.0 ± 0.30 ns	2.8 ns	0.95 Ohms
0402-0012-55	0402-0012-75	0402-0012-82	0402-0012-93	12.0 ± 0.30 ns	3.2 ns	1.05 Ohms
0402-0015-55	0402-0015-75	0402-0015-82	0402-0015-93	15.0 ± 0.40 ns	3.8 ns	1.50 Ohms

### Electrical Characteristics

Delay Measurement	50% Levels
Rise Time Measurement	20%-80% Levels
Distortion	± 10%
Insulation Resistance @ 50 Vdc	10K Megohms Min.
Dielectric Withstanding Voltage	50 Vdc
Operating Temperature Range	-55°C to +125°C
Temperature Coefficient of Delay	100 PPM/°C Max.
Minimum Input Pulse Width	3 x Trout or 5 ns W.I.G.
Maximum Duty Cycle	60%

### Test Conditions @ 25°C

Ein	Pulse Voltage	1 Volt Typical
Trin	Rise Time	1.0 ns (10%-90%)
PW	Pulse Width	3 x Total Delay
PP	Pulse Period	4 x Pulse Width

### Notes

Compatible with ECL & TTL circuits  
 Terminals: 24 Awg tin copper  
 Performance warranty is limited to specified parameters listed  
 Epoxy Encapsulated

### Other Delays and Impedances Available Contact Sales

*Specifications subject to change without notice.*

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