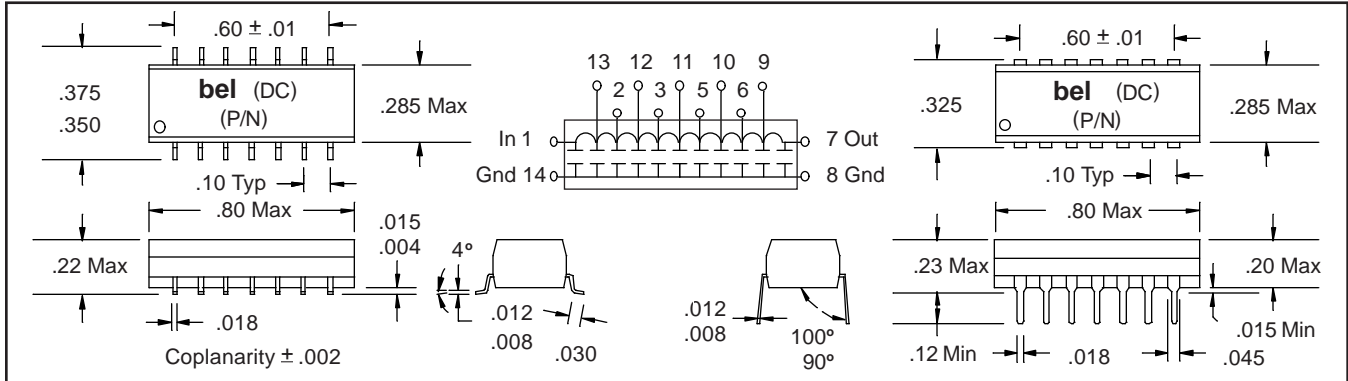


10 TAP 14 PIN DIP PASSIVE DELAY MODULES

Cat 20-R4

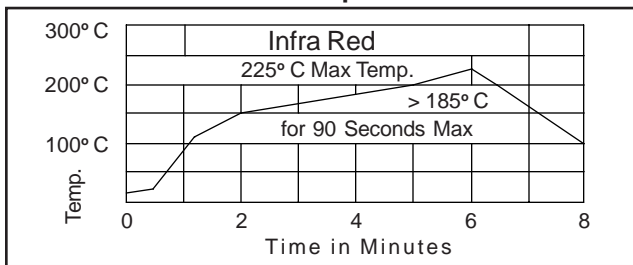


Part Numbers

| SMD | Thru-Hole | Total Delay | Tap - Tap Delay | Rise Time | Attenuation Maximum |
|--------------|--------------|---------------|-----------------|-----------|---------------------|
| S469-0005-XX | A446-0005-XX | 5 ± 0.3 ns | 0.5 ± 0.3 ns | 3.0 ns | 5% |
| S469-0010-XX | A446-0010-XX | 10 ± 0.5 ns | 1.0 ± 0.4 ns | 3.8 ns | 5% |
| S469-0020-XX | A446-0020-XX | 20 ± 1.0 ns | 2.0 ± 1.0 ns | 5.0 ns | 5% |
| S469-0030-XX | A446-0030-XX | 30 ± 1.5 ns | 3.0 ± 1.0 ns | 7.0 ns | 5% |
| S469-0040-XX | A446-0040-XX | 40 ± 2.0 ns | 4.0 ± 1.0 ns | 8.5 ns | 5% |
| S469-0050-XX | A446-0050-XX | 50 ± 2.5 ns | 5.0 ± 2.0 ns | 10.0 ns | 5% |
| S469-0060-XX | A446-0060-XX | 60 ± 3.0 ns | 6.0 ± 2.0 ns | 12.0 ns | 8% |
| S469-0070-XX | A446-0070-XX | 70 ± 3.5 ns | 7.0 ± 2.0 ns | 14.0 ns | 8% |
| S469-0080-XX | A446-0080-XX | 80 ± 4.0 ns | 8.0 ± 2.0 ns | 16.0 ns | 8% |
| S469-0090-XX | A446-0090-XX | 90 ± 4.5 ns | 9.0 ± 2.0 ns | 18.0 ns | 8% |
| S469-0100-XX | A446-0100-XX | 100 ± 5.0 ns | 10.0 ± 3.0 ns | 20.0 ns | 10% |
| S469-0150-XX | A446-0150-XX | 150 ± 7.5 ns | 15.0 ± 3.0 ns | 30.0 ns | 10% |
| S469-0200-XX | A446-0200-XX | 200 ± 10.0 ns | 20.0 ± 3.0 ns | 40.0 ns | 10% |
| S469-0250-XX | A446-0250-XX | 250 ± 12.5 ns | 25.0 ± 3.0 ns | 50.0 ns | 10% |
| S469-0300-XX | A446-0300-XX | 300 ± 15.0 ns | 30.0 ± 3.0 ns | 60.0 ns | 10% |
| S469-0400-XX | A446-0400-XX | 400 ± 20.0 ns | 40.0 ± 3.0 ns | 80.0 ns | 10% |
| S469-0500-XX | A446-0500-XX | 500 ± 25.0 ns | 50.0 ± 3.0 ns | 100.0 ns | 10% |

Impedance in Ohms ± 10%, XX = 50; 50 Ohms, XX = 01; 100 Ohms, XX = 02; 200 Ohms

Recommended Temperature Profile



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
 Tape & Reel available
 32mm Wide x 16mm Pitch, 500 pieces per 13" reel

Test Conditions @ 25°C

| | | |
|------|---------------|------------------|
| 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 |

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 | -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% |

Other Delays and Impedances Available Consult Sales

Specifications subject to change without notice.

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