

# FNV SERIES

## ADJUSTABLE VIDEO DELAY LINES

| SPECIFICATIONS     |                                                                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Impedance          | 75Ω                                                                                                                                               |
| Frequency Response | $\leq 0.10$ dB up to 5.5 MHz<br>$\leq 0.15$ dB up to 5.5 MHz FNV455<br>$\leq 0.25$ dB up to 11 MHz FNV180X<br>$\leq 0.30$ dB up to 11 MHz FNV360X |
| 2T pulse PAL, NTSC | $\leq 0.5\%$ k-rating                                                                                                                             |
| Max. input voltage | 2V dc                                                                                                                                             |
| Temperature range  | 0 to 70°C                                                                                                                                         |

| PART No. | DELAY RANGE | SWITCHABLE<br>TO WITHIN 2 ns | MAX FLAT<br>LOSS (dB) | TRIM $\pm 1$ ns |
|----------|-------------|------------------------------|-----------------------|-----------------|
|----------|-------------|------------------------------|-----------------------|-----------------|

| BASEBAND VIDEO                                                                                                                                                  |              |     |     |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|-----|-----|
| FNV180                                                                                                                                                          | 10 – 170 ns  | Yes | 1.2 | Yes |
| FNV360                                                                                                                                                          | 10 – 330 ns  | Yes | 2.0 | Yes |
| FNV455                                                                                                                                                          | 310 – 470 ns | Yes | 2.0 | Yes |
| FNV097A                                                                                                                                                         | 15 – 165 ns  | No  | 1.1 | Yes |
| FNV097B                                                                                                                                                         | 65 – 215 ns  | No  | 1.6 | Yes |
| FNV097C                                                                                                                                                         | 115 – 265 ns | No  | 1.8 | Yes |
| FNV097D                                                                                                                                                         | 215 – 365 ns | No  | 2.9 | Yes |
| FNV097E                                                                                                                                                         | 315 – 465 ns | No  | 3.9 | Yes |
| FNV097F                                                                                                                                                         | 415 – 565 ns | No  | 4.3 | Yes |
| FNV097G                                                                                                                                                         | 515 – 665 ns | No  | 4.7 | Yes |
| FNV****                                                                                                                                                         | To order     | No  | -   | No  |
| The **** represents the delay time in ns. Orders may state any multiples of 100 ns up to a maximum of 1000 ns.<br>Replace **** with the delay time you require. |              |     |     |     |

| EXTENDED BANDWIDTH |             |     |     |     |
|--------------------|-------------|-----|-----|-----|
| FNV180X            | 10 – 170 ns | Yes | 0.9 | Yes |
| FNV360X            | 10 – 330 ns | Yes | 1.6 | Yes |

|                                                                          |
|--------------------------------------------------------------------------|
| Order “PANEL TYPE 5 RACK FRAME” for 2U high rack to house 15 delay units |
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# PACKAGE DETAIL

