

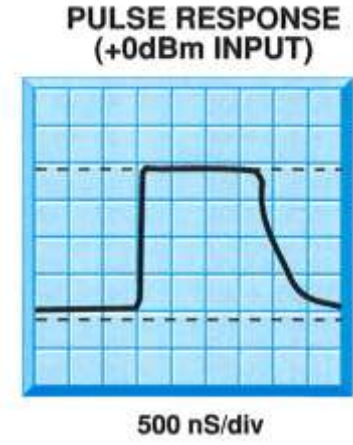
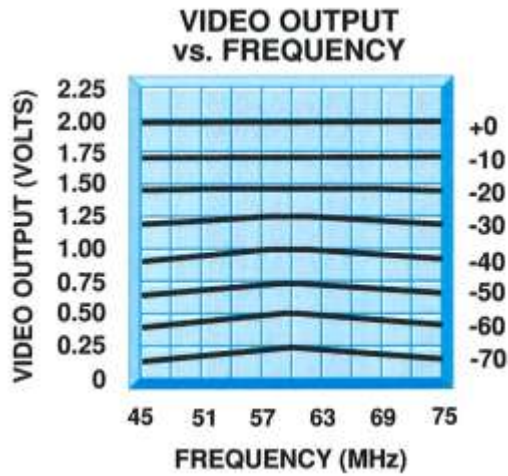
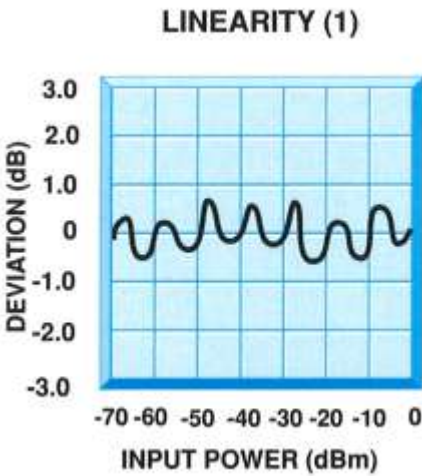
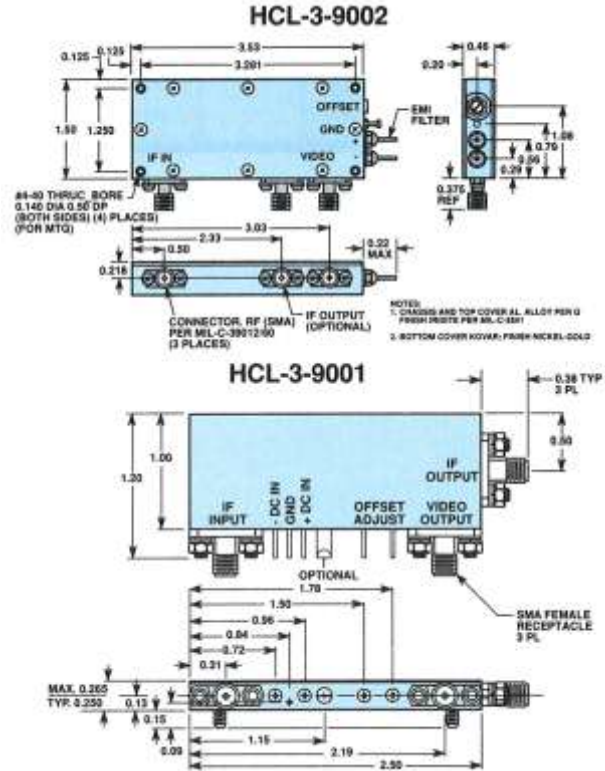
# HCL-3-9001 / 9002 60 MHz LOG AMPLIFIERS

## TECHNICAL FEATURE

### PERFORMANCE

|                                      |                      |
|--------------------------------------|----------------------|
| Center Frequency .....               | 60 MHz               |
| Operating Bandwidth.....             | 10 MHz               |
| Dynamic Range.....                   | 0 – to -70 dBm       |
| Log Linearity (1).....               |                      |
| @25°C .....                          | ±0.75 dB             |
| Over Temperature .....               | ±1 dB                |
| Sensitivity (Slope)                  |                      |
| @25°C .....                          | 25 mV/dB             |
| Over Temperature .....               | ±5% max              |
| Rise Time (10-90%) .....             | 60 nS max            |
| Fall Time (90-10%).....              | 150 nS max           |
| Tangential Sensitivity.....          | -80 dBm max          |
| Voltage Output Range (nominal) ..... | 0.2 to 2.0 V         |
| VSWR                                 |                      |
| Input .....                          | 1.5:1 max            |
| Output .....                         | 2.0:1 max            |
| Limited IF Output.....               | 0 ±2 dBm             |
| DC Power .....                       | +15 VDC @ 80 mA max  |
| .....                                | -15 VDC @ 160 mA max |
| Operating Temperature Range.....     | -54° to +85° C       |

### MECHANICAL OUTLINE



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