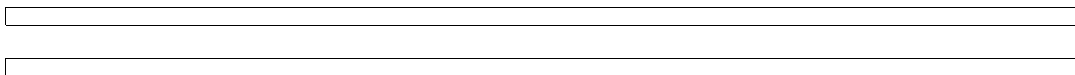


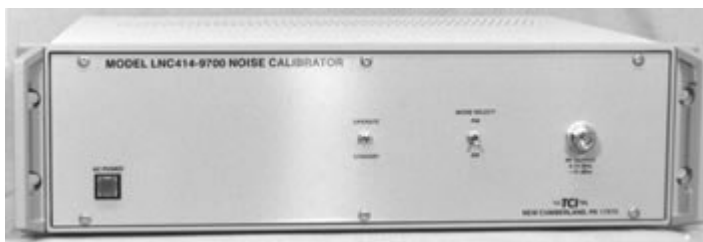


Advanced Noise Technology

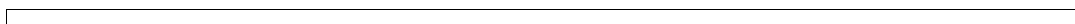
Techtrol Cylonetics, Inc. The Leader in ultra low noise technology



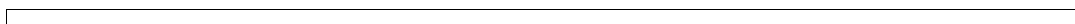
Low Noise Signature Calibration Signature



LNC414-9700



| | | | |
|---------------------------|----------------------------|------------|-------------|
| RF Frequency: | 9.70 GHz, ±1PPM | | |
| RF Output Level: | +13 dBm minimum | | |
| Operating Bandwidth: | 500 MHz typical | | |
| Frequency Stability: | 1 PPM | | |
| Harmonics: | -50 dBc | | |
| Aging: | 3 PPM per year maximum | | |
| Output VSWR: | 1.5:1 maximum into 50 ohms | | |
| Harmonics: | -60 dBc: | | |
| Frequency Stability: | ±5 x 10 ⁻¹⁰ | | |
| Coherent Spurious: | -60 dBc | | |
| Non-Coherent Spurious: | -90 dBc | | |
| AC Line Related Spurious: | -70 dBc | | |
| Operating Temperature: | +25°C °15°C | | |
| Phase Noise: | PM | AM | |
| | 10 Hz | -51 dBc/Hz | -116 dBc/Hz |
| | 100 Hz | -81 | -126 |
| | 1 KHz | -111 | -136 |
| | 10 KHz | -130 | -146 |
| | 100 KHz | -135 | -155 |
| | 1 MHz | -138 | -162 |
| Connectors: | SMA(F), RF Output | | |
| Size: | 5.25" H x 19" W x 19" D | | |
| Power: | 120/240 VAC, 47 to 65 Hz | | |



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