

|  |              |                    |                       |                         |               |
|--|--------------|--------------------|-----------------------|-------------------------|---------------|
| <b>PRODUCT NUMBER</b>                                | V061ME02     | <b>SCD#</b>        |                       | <b>CPS#</b>             |               |
| <b>PACKAGE STYLE:</b>                                | MINI-16      | <b>TEST SET-UP</b> | 810-0013              | <b>TEST FIXTURE NO.</b> | Z3            |
| <b>ELECTRICAL SPECIFICATIONS: VCO-MINI-16</b>        |              |                    |                       |                         |               |
|  |              | FR= 70             | - 76                  | MHz, Vt=                | 5.0Vdc        |
| <b>1.0 FREQUENCY RANGE (MHz):</b>                    |              | 70                 | to                    | 76                      | <b>MHz</b>    |
| <b>2.0 TUNING VOLTAGE (Vdc):</b>                     |              |                    |                       | 5.0                     | <b>Vdc</b>    |
| <b>3.0 TUNING SENSITIVITY, AVG. (MHz/Volt):</b>      |              |                    |                       | 6                       | <b>MHz/V</b>  |
| <b>4.0 ACCURACY AND STABILITY (OVER TEMP) (PPM):</b> |              |                    |                       |                         | <b>KHz/C</b>  |
| <b>5.0 PHASE NOISE (1 Hz BW):</b>                    |              |                    |                       |                         |               |
| <b>A. 10 KHz OFFSET (dBc/Hz):</b>                    |              |                    |                       | -120 (AVG)              | <b>dBc/Hz</b> |
| <b>B. 1 KHz OFFSET (dBc/Hz):</b>                     |              |                    |                       | -94 (AVG)               | <b>dBc/Hz</b> |
| <b>C. 100 KHz OFFSET (dBc/Hz):</b>                   |              |                    |                       | -138 (AVG)              | <b>dBc/Hz</b> |
| <b>6.0 POWER OUTPUT (into 50 Ohms) (dBm):</b>        |              |                    |                       | 0 to 8                  | <b>dBm</b>    |
| <b>7.0 HARMONIC SUPPRESSION (2nd) (dBc):</b>         |              |                    |                       | -18                     | <b>dBc</b>    |
| <b>8.0 PULLING (1.67:1 VSWR, ANY PHASE)(MHz):</b>    |              |                    |                       | <.5                     | <b>MHz</b>    |
| <b>9.0 PUSHING (MHz/Volt):</b>                       |              |                    |                       | <1                      | <b>MHz/V</b>  |
| <b>10.0 INPUT CAPACITANCE (pf) (MAX):</b>            |              |                    |                       | 1000                    | <b>pF</b>     |
| <b>11.0 LOAD IMPEDANCE (Ohms):</b>                   |              |                    |                       | 50                      | <b>Ohms</b>   |
| <b>12.0 SUPPLY VOLTAGE (Volts):</b>                  |              |                    |                       | 5                       | <b>Vdc</b>    |
| <b>13.0 SUPPLY CURRENT ( typ; max.) (mA):</b>        |              | 14 TYP             |                       | 17                      | <b>mA</b>     |
| <b>14.0 TEMPERATURE (degrees Celsius):</b>           |              |                    |                       | -30 to 85               | <b>C</b>      |
| <b>15.0 OTHER:</b>                                   |              |                    |                       |                         |               |
| <b>ENGINEERING</b>                                   | <b>QC/QA</b> | <b>MARKETING</b>   | <b>ENG.PROD. SPEC</b> |                         |               |
|  |              |                    | <b>710-1628</b>       |                         | <b>REV 1</b>  |