

# General Data Sheet



ELITE ELECTRONIC ENGINEERING INC.  
4516 CENTRE CIRCLE  
DOWNERS GROVE, ILLINOIS 60515-1082

COMPLETE EMC/ENVIRONMENTAL TESTING AND CONSULTING

Test Report Number \_\_\_\_\_

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66#25972

|                                                                            |                    |                     |                      |                  |                               |                                 |
|----------------------------------------------------------------------------|--------------------|---------------------|----------------------|------------------|-------------------------------|---------------------------------|
| Test<br><i>Temperature</i>                                                 |                    |                     |                      |                  | Date of Test<br><i>3-8-01</i> |                                 |
| Specification                                                              |                    | Test Par.           | Req. Par.            | Test Group       | Table                         | Room Temperature<br><i>23°C</i> |
| Test Conditions<br><i>0, 10, 20, 30, 40 + 50°C hold till stable + test</i> |                    |                     |                      |                  | Room Humidity<br><i>20%</i>   |                                 |
| Specimen Description<br><i>See below</i>                                   |                    |                     |                      |                  | Technician                    |                                 |
| Manufacturer<br><i>Richardson Electric</i>                                 |                    |                     | Manufacturer's Type  |                  | Laboratory Supervisor         |                                 |
| Instrument Code                                                            |                    |                     | Military Designation |                  | Test Engineer<br><i>CRT</i>   |                                 |
| Temp.                                                                      | <i>MX-01 + MTK</i> | <i>output power</i> |                      | <i>MT 100</i>    | <i>output power</i>           |                                 |
|                                                                            | <i>Frequency</i>   |                     |                      | <i>Frequency</i> |                               |                                 |

|                                                                                                                                                                                                                                                                                                                                                                            |           |        |  |           |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|--|-----------|------|
| Room                                                                                                                                                                                                                                                                                                                                                                       | 99999934  | 1076w  |  | 100049887 | 98w  |
| 0°                                                                                                                                                                                                                                                                                                                                                                         | 99999992  | 1086w  |  | 100050066 | 100w |
| 10°                                                                                                                                                                                                                                                                                                                                                                        | 99999971  | 1076w  |  | 100049969 | 100w |
| 20°                                                                                                                                                                                                                                                                                                                                                                        | 99999942  | 1046w  |  | 100049956 | 101w |
| 30°                                                                                                                                                                                                                                                                                                                                                                        | 99999953  | 964.3w |  | 100049811 | 101w |
| 40°                                                                                                                                                                                                                                                                                                                                                                        | 10000040  | 766.4w |  | 100049793 | 101w |
| 50°                                                                                                                                                                                                                                                                                                                                                                        | 100005170 | 129.7w |  | 100049883 | 101w |
| <i>Results:</i><br>(1) MX-01, S/N: 00-005, (1) MT100, S/N: 44-001.<br>At +40°C an external watt meter was added to monitor output power on MX-01 + MTK.<br>At +40°C the external watt meter showed 880 watts.<br>At +50°C the external watt meter showed 160 watts.<br>During the +50°C soak the external watt meter showed a total loss of output at the end of the test. |           |        |  |           |      |