



# M T B F

(E I A J R C R - 9 1 0 2 B)

|       |             |
|-------|-------------|
| Model | SNDBS700B24 |
|-------|-------------|

| No.                                | Parts                |                       | Q'ty of Device | Failure rate [ $10^{-6}/H$ ] | Reference |
|------------------------------------|----------------------|-----------------------|----------------|------------------------------|-----------|
| 1                                  | IC                   | Linear                | 1              | 0.0240                       |           |
| 2                                  | Transistors          | NPN/PNP               | 0              | 0.0000                       |           |
| 3                                  | Diodes               | FR                    | 2              | 0.0440                       |           |
| 4                                  | Diodes               | switching             | 2              | 0.0150                       |           |
| 5                                  | Diodes               | Zener                 | 0              | 0.0000                       |           |
| 6                                  | Photoelectron Device | Photo-coupler         | 1              | 0.0700                       |           |
| 7                                  | Resistors            | Metal Film            | 11             | 0.1760                       |           |
| 8                                  | Resistors            | Carbon Film           | 4              | 0.0640                       |           |
| 9                                  | Resistors            | Power Film            | 0              | 0.0000                       |           |
| 10                                 | Resistors            | Temperature Fuse      | 0              | 0.0000                       |           |
| 11                                 | Resistors            | variable              | 1              | 0.0160                       |           |
| 12                                 | Varistor             | Varistor              | 0              | 0.0000                       |           |
| 13                                 | Capacitors           | Aluminum Electrolytic | 4              | 0.0760                       |           |
| 14                                 | Capacitors           | Film                  | 8              | 0.0672                       |           |
| 15                                 | Capacitors           | Ceramic               | 3              | 0.0780                       |           |
| 16                                 | Coil                 | Line Filter           | 2              | 0.0009                       |           |
| 17                                 | Coil                 | Ferrite Beads         | 2              | 0.0004                       |           |
| 18                                 | Fuses                |                       | 1              | 0.0200                       |           |
| 19                                 | Switch               | Toggle                | 0              | 0.0000                       |           |
| 20                                 | Connectors           | Printed Crcuit Board  | 13             | 0.6760                       |           |
| 21                                 | Connection           | Hand Solder           | 21             | 0.0546                       |           |
| 22                                 | Connection           | Flow Solder           | 378            | 0.1966                       |           |
| 23                                 | Connection           | Screw                 | 15             | 0.0150                       |           |
| 24                                 | Printed Crcuit Board | Through Hole          | 1              | 0.0450                       |           |
| 25                                 | P S 1                |                       | 1              | 3.8738                       |           |
| Total Failure Rate [ $10^{-6}/H$ ] |                      |                       |                | 5.5125                       |           |

|                     |      |         |
|---------------------|------|---------|
| M T B F             | [H]  | 181,000 |
| Ambient Temperature | [°C] | -       |
| Load Factor         | [%]  | -       |