

## KVR800D2N5K2/1G

**1GB (512MB 64M x 64-Bit x 2 pcs.)  
DDR2-800 CL5 240-Pin DIMM Kit**

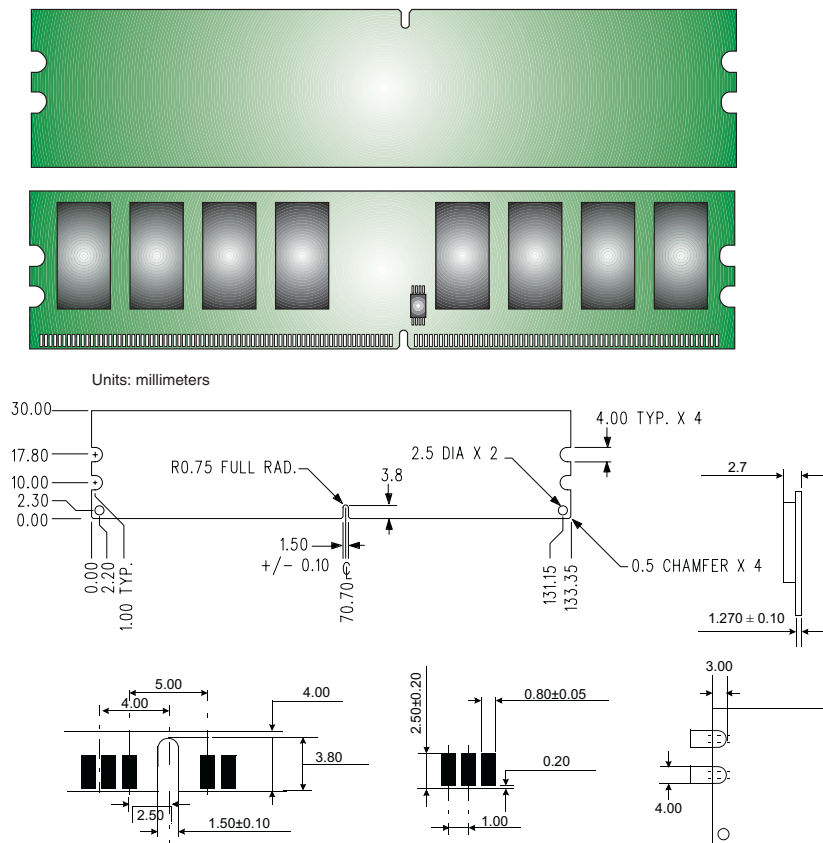
### DESCRIPTION:

ValueRAM's KVR800D2N5K2/1G is a kit of two 64M x 64-bit (512MB) DDR2-800 CL5 SDRAM (Synchronous **DRAM**) memory modules. Toal kit capacity is 1GB. The components on each module include eight 64M x 8-bit (16M x 8-bit x 4 Bank) DDR2-800 SDRAM in FBGA packages. Each 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

### FEATURES:

|                                                 |                                |
|-------------------------------------------------|--------------------------------|
| ✓ Clock Cycle Time (tCK) CL=5                   | 2.5ns (min.) / 8ns (max.)      |
| ✓ Row Cycle Time (tRC)                          | 60ns (min.)                    |
| ✓ Refresh to Active/Refresh Command Time (tRFC) | 105ns                          |
| ✓ Row Active Time (tRAS)                        | 38ns (min.) / 70,000ns (max.)  |
| ✓ Single Power Supply of                        | +1.8V (+/- .1V)                |
| ✓ Power                                         | 1.296 W (operating per module) |
| ✓ UL Rating                                     | 94 V - 0                       |

**Note:** The module defined in this data sheet is one of several configurations available under this part number. While all configurations are compatible, the DRAM combination and/or the module height may vary from what is described here. However, in no configuration will the module height exceed 1.250" (31.75mm).



**Figure 1: KVR800D2N5K2/1G 240-Pin DIMM Kit**