

Memory Module Specification

KVR800D2E5K2/2G

2GB (1GB 128M x 72-Bit x 2 pcs.) DDR2-800 CL5 ECC 240-Pin DIMM Kit

DESCRIPTION:

ValueRAM's KVR800D2E5K2/2G is a kit of two 128M x 72-bit 1GB (1024MB) DDR2-800 CL5 SDRAM (Synchronous **DRAM**) ECC memory modules. Total kit capacity is 2GB (2048MB). The components on each module include nine 128M x 8-bit 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) 57.5ns (min.)

Refresh to Active/Refresh Command Time (tRFC) 127.5ns

☑ Row Active Time (tRAS) 38ns (min.) / 70,000ns (max.)

 \subseteq Single Power Supply of +1.8V (+/-.1V)

✓ Power Supply of +1.8v (+/-.1v)
✓ Power 1.410 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.

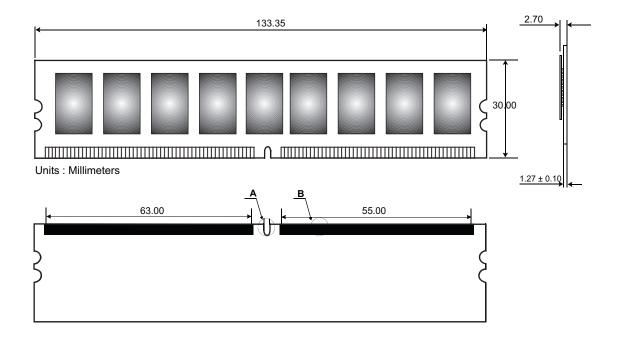


Figure 1: KVR800D2E5K2/2G 240-Pin DIMM