

# Kingston A400 - SSD - 240 GB - SATA 6Gb/s



|                         |                                           |
|-------------------------|-------------------------------------------|
| SKU                     | SA400S37/240G                             |
| Product Description:    | Kingston A400 - SSD - 240 GB - SATA 6Gb/s |
| Type:                   | Solid state drive - internal              |
| Capacity:               | 240 GB                                    |
| NAND Flash Memory Type: | Triple-level cell (TLC)                   |
| Form Factor:            | 2.5"                                      |
| Interface:              | SATA 6Gb/s                                |
| Data Transfer Rate:     | 600 MBps                                  |

## General

|                         |                              |
|-------------------------|------------------------------|
| Device Type:            | Solid state drive - internal |
| Capacity:               | 240 GB                       |
| NAND Flash Memory Type: | Triple-level cell (TLC)      |
| Form Factor:            | 2.5"                         |
| Interface:              | SATA 6Gb/s                   |
| Width:                  | 69.9 mm                      |
| Depth:                  | 100 mm                       |
| Height:                 | 7 mm                         |
| Weight:                 | 41 g                         |

## Performance

|                      |                                    |
|----------------------|------------------------------------|
| Drive Transfer Rate: | 600 MBps (external)                |
| Internal Data Rate:  | 500 MBps (read) / 350 MBps (write) |

## Reliability

|       |                 |
|-------|-----------------|
| MTBF: | 1,000,000 hours |
|-------|-----------------|

## Environmental Parameters

|                                      |                   |
|--------------------------------------|-------------------|
| Min Operating Temperature:           | 0 °C              |
| Max Operating Temperature:           | 70 °C             |
| Min Storage Temperature:             | -40 °C            |
| Max Storage Temperature:             | 85 °C             |
| Vibration Tolerance (operating):     | 2.17 g @ 7-800 Hz |
| Vibration Tolerance (non-operating): | 20 g @ 10-2000 Hz |

## Manufacturer Warranty

|                    |                            |
|--------------------|----------------------------|
| Service & Support: | Limited warranty - 3 years |
|--------------------|----------------------------|

## Miscellaneous

|                      |               |
|----------------------|---------------|
| Compliant Standards: | ISO 9001, SGS |
|----------------------|---------------|

## Power

|                    |                                                                                   |
|--------------------|-----------------------------------------------------------------------------------|
| Power Consumption: | 0.195 Watt (idle) ; 0.279 Watt (average) ; 0.642 Watt (read) ; 1.535 Watt (write) |
|--------------------|-----------------------------------------------------------------------------------|

## Expansion & Connectivity

|                 |                                    |
|-----------------|------------------------------------|
| Interfaces:     | 1 x SATA 6 Gb/s - 7 pin Serial ATA |
| Compatible Bay: | 2.5"                               |