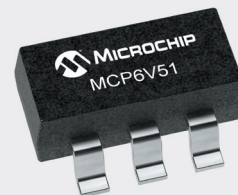


MCP6V51

45V, 2 MHz Zero-Drift Op Amp with EMI Filtering

General Information

The MCP6V51 operational amplifier provides input offset voltage correction for very low offset and offset drift. This device provides a gain bandwidth product of 2 MHz, is unity gain stable, has no 1/f noise, and provides superior CMRR and PSRR performance. These products operate with a single supply voltage from 4.5V to 45V, with a maximum quiescent current of only 590 μ A.



Features

- Zero-drift architecture
- Maximum offset of only 15 μ V
- Maximum offset drift of 36 nV/C
- Wide operating range: 4.5V to 45V
- No 1/f noise
- GBWP of 2 MHz
- Enhanced EMI rejection
- Small 5-pin SOT-23 and 8-pin MSOP packaging
- Easy to Use
 - EMI filtered Inputs
 - Rail-to-rail output
 - Unit gain stable

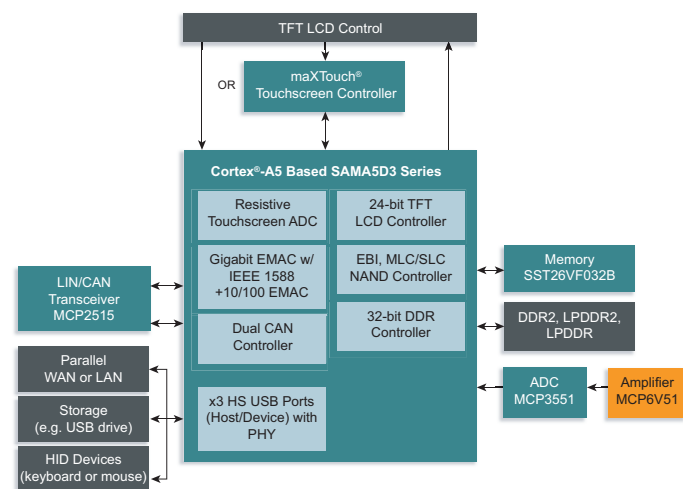
Applications

- Industrial/automotive monitors
- Control loops/process control
- Medical instrumentation
- Electronic weight scales

Benefits

- Zero-drift architecture provides reliable performance and eliminates 1/f noise
- On-chip EMI filter reduces risk of electrical noise and reduces overall system cost
- Low power and small packages make the device ideal for precision applications

Industrial Control Panel



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