AKM ▶ DATA CODING PRODUCTS ·

REED-SOLOMON ERROR CORRECTION ICs

AHA4011B

High performance Reed-Solomon error correction IC

① 4 operation modes: encode, decode, vector, pass-through
② High speed correction
  • Continuos mode: max. 10.0Mbytes/sec.
  • Burst mode: max. 40.0Mbytes/sec. (per one block)
③ Programmable to correct from 1 to 10 error bytes or 20 erasure bytes per block
  • Error correction: max. 10bytes/block
  • Erasure correction: max. 20bytes/block
④ Block lengths programmable from 3 to 255
⑤ Status output function
⑥ Processing latency time does not depend on the number of errors
⑦ Package: 44 pin PLCC (16.6×16.6×4.6mm)

AHA4012

High performance Reed-Solomon error correction IC

① 4 operation modes: encode, decode, vector, pass-through
② High speed correction
  • Continuos mode: max. 1.5Mbytes/sec.
  • Burst mode: max. 6.0Mbytes/sec. (per one block)
③ Programmable to correct from 1 to 10 error bytes or 20 erasure bytes per block
  • Error correction: max. 10bytes/block
  • Erasure correction: max. 20bytes/block
④ Block lengths programmable from 3 to 255
⑤ Status output function
⑥ Processing latency time does not depend on the number of errors
⑦ Package: 44 pin PLCC (16.6×16.6×4.6mm)