

3-6 ASSPs

Disk Storage Management ICs

The key to SEIKO EPSON's high-performance disk storage management ICs is an on-chip data separator. With this precision circuit, the VFO does not need to be adjusted using external components, thus reducing the overall chip count. Other built-in functionality includes drivers and receivers for both the host and disk drive interfaces, and circuitry for switching the data transfer rate.

■ VFO data separators for floppy disk drive

Part number	Supply voltage (V-typ.)	Supply current (mA-max.)	Additional features	Package
SED9420CAC	5	10	On-chip VFO data separator <ul style="list-style-type: none"> • 8- or 5¹/₄-inch disk drives • Configurable recording density • TTL-compatible inputs and outputs 	DIP-24pin
SED9420MAC				SOP1-24pin
SPC9426C0A	5	10	On-chip VFO data separator <ul style="list-style-type: none"> • On-chip loop filter • Data transfer at 125K, 250K or 500K bps 	DIP-8pin
SPC2120C0A	5	10	On-chip VFO data separator <ul style="list-style-type: none"> • On-chip loop filter • Data transfer at 250K, 300K, 500K or 1M bps • TTL-compatible inputs and outputs 	DIP-16pin
SPC2120M0A				SOP1-16pin

■ Floppy disk drive controllers

Part number	Supply voltage (V-typ.)	Supply current (mA-max.)	Additional features	Package
SPC2052F0A	5	60	<ul style="list-style-type: none"> • 5¹/₄- or 3¹/₂-inch disk drives • IBM PC/AT compatible • On-chip VFO data separator • Two-drive control (SPC2052F0A), four drive control (SPC2054F0A) • Evaluation board (SDU8205B2B) available 	QFP5-80pin
SPC2054F0A				QFP5-100pin

■ VFO data separators for hard disk drive

Part number	Supply voltage (V-typ.)	Supply current (mA-max.)	Additional features	Package
SMC9520C0A	5	60	<ul style="list-style-type: none"> • ST506 interface (5 Mbps, MFM) • Write precompensation • Minimal support circuitry requirements • On-chip VFO data separator 	DIP-24pin

■ VFO data separators for MO drive

Part number	Supply voltage (V-typ.)	Supply current (mA-max.)	Additional features	Package
SPC7300F0A	5	60	<ul style="list-style-type: none"> • Clock generator for Zone CAV • Data separator • Power down mode 	QFP6-44pin