

VTR servo system controller

●System control servo

Part No.	Supply voltage (V)	Function	CPU	Min. instruction time	ROM (bytes)	RAM (bytes)	Servo hardware				Package
BU38603	4.5~5.5	Software servo containing DFG, DPG, CFG, and CTL volume sensor amp. Real time servo block is configured in exclusive hardware.	RAMICS-8	0.25 μ Sec	16K	512	Dummy H generation	Linear time counter	VISS VASS	CTL amp. with AGC	QFP80
BU38703					24K						
BU38803					32K						
BU38905	4.0~5.5	With linear amp, software servo microcontroller, and timer tuner	RAMICS-8	0.25 μ Sec	48K	896					QFP80

●Digital servo

Part No.	Supply voltage (V)	Function	Dummy-V pulse generator	Capstan gain adjustment	Tape speed detector	FM audio head switching	VISS/VASS	CTL amplifier	Speed/phase mixing	Package
BU2880 Series	4.5~5.5	Servo circuit for cylinder and capstan are on a single chip.	3 value output	○	—	○	○	○	Digital filter	SDIP24
BU2890 Series	4.5~5.5		3 value output	○	○	○	○	○With AGC	Mix. Amp.	SDIP42/QFP44

FG and CTL amplifier

Part No.	Supply voltage (V)	System	Features		Package
BA6305/F	4.5~13.0	1ch	Built-in high speed response preamplifier and hysteresis amplifier which outputs rectangular CTL signal.		SIP8/SOP8
BA6405F	4.5~6.0	2ch	Built-in high open gain FG, CTL amplifier, Schmitt trigger amplifier, and comparator.		SOP14

CTL amplifier

Part No.	Supply voltage (V)	System	Features		Package
New BA8400FV	2.7~5.5	CTL record/playback amplifier; 1 ch each	Replay amplifier with high-speed response AGC. Output stage Schmitt circuit record/playback selector switch.		SSOP-B14