

● Applications

● Features

- 1) Internal tape A/tape B switch for use with dual-cassette decks.
- 2) Internal switch is provided to switch the equalizer characteristics for metal tape playback.
- 3) Input bias circuit does not require coupling capacitors.
- 4) Wide operating supply voltage range ($V_{CC} = 3.5V$ to $12V$).

Preamplifiers

Low-frequency amplifiers

●Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Limits	Unit
Supply voltage	V _{CC}	14	V
Power dissipation	P _d	400*	mW
Operating temperature	T _{opr}	−25~75	°C
Storage temperature	T _{stg}	−55~125	°C

* Reduced by 4.0mW for each increase in Ta of 1°C over 25°C.

●Recommended operating conditions (Ta = 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit
Supply voltage	V _{CC}	3.5	8	12	V

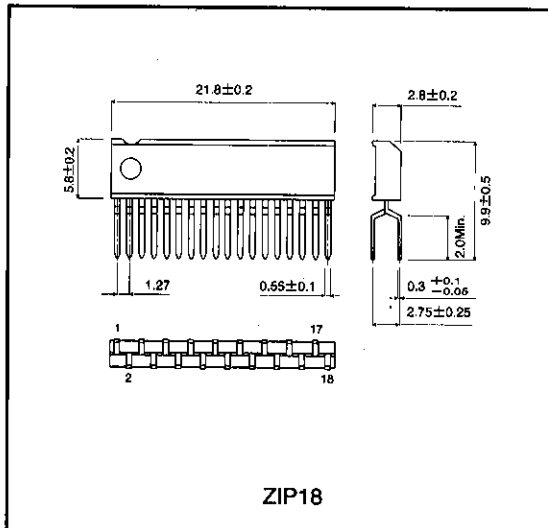
●Electrical characteristics (unless otherwise specified Ta = 25°C, V_{CC} = 8V, f = 1kHz, OUTPUT = pins 13 and 14)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Quiescent current	I _Q	1.0	2.5	4.0	mA	V _{IN} =0V _{rms}
Open-circuit voltage gain	G _{VO}	70	84	—	dB	R _L =10kΩ, V _O =0dBV
Maximum output voltage	V _{OM}	1.0	1.8	—	V _{rms}	THD=1%, R _L =10kΩ
Input conversion-noise voltage	V _{NIN}	—	1.1	2.0	μV _{rms}	R _g =2.2kΩ, NAB45dB BPF (20Hz~20kHz)
Input resistance	R _{IN}	—	130	—	kΩ	—
Channel separation	CS	55	65	—	dB	V _O =1V _{rms}
ChA/ChB crosstalk	CT _{AB}	60	70	—	dB	V _O =1V _{rms}
Total harmonic distortion	THD	—	0.08	0.2	%	V _O =0.5V _{rms}

●Tape selection

17pin	18pin	Operating
L	L	TapeB
L	H	TapeA
H	L	TapeB
H	H	Unstable (first pin to go "H" has priority)

● External dimensions (Unit: mm)



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