

BA5948FP

CD players

- 1) 4-channel BTL driver
- 2) Set space saving by adoption of HSOP28
- 3) Built-in thermal shutdown circuit
- 4) Gain control by external resistor

18.5 ± 0.2
 28 15
 9.9 ± 0.3
 7.5 ± 0.2
 0.5 ± 0.2
 0.25 ± 0.1
 14
 5.15 ± 0.1
 2.2 ± 0.1
 0.11
 0.8
 0.35 ± 0.1
 0.08
 16.0 ± 0.2
 0.1 S

Parameter	Symbol	Limits	Unit
Supply voltage	V _{cc} , PV _{cc1} , PV _{cc2}	18	V
Power dissipation	P _d	1700 *	mW
Operating temperature range	T _{opr}	−35 to +85	°C
Storage temperature range	T _{stg}	−55 to +150	°C

* Derating : 13.6mW/°C for operation above Ta=25°C.

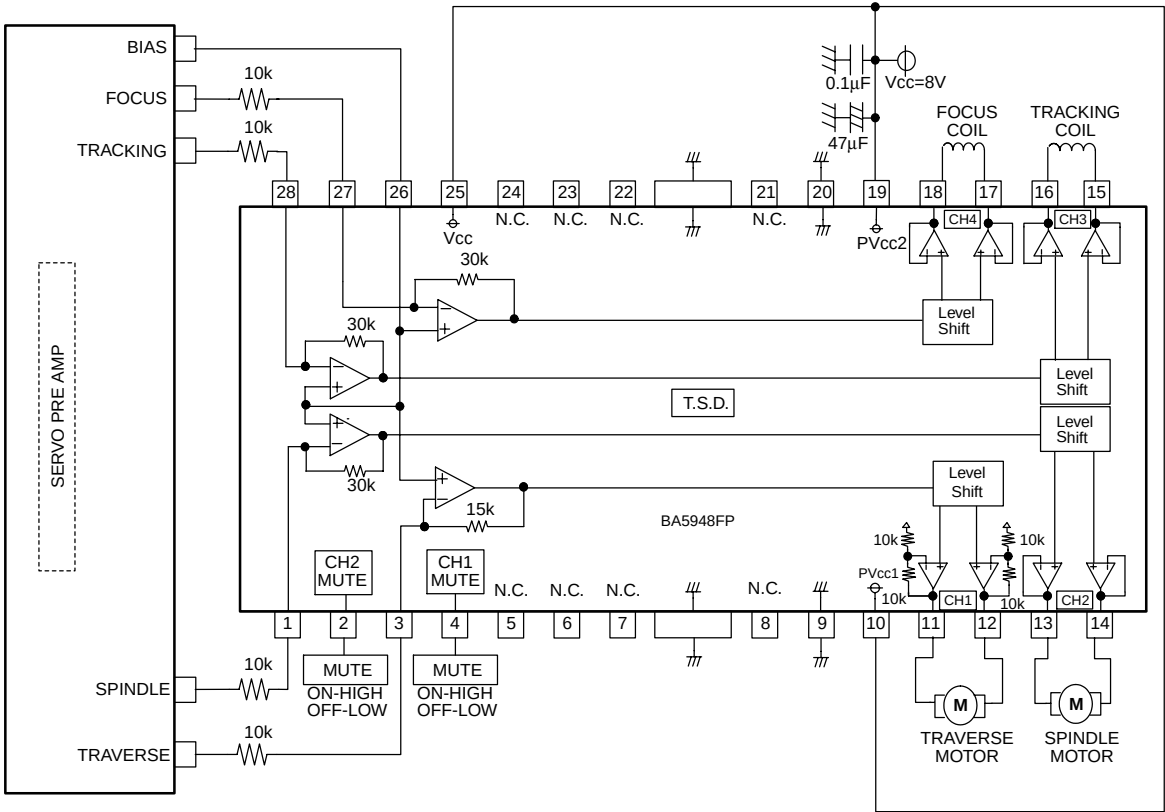
Parameter	Symbol	Min.	Typ.	Max.	Unit
Supply voltage	V_{CC} PVcr1_PVcr2	4.5	8	14	V

Optical Discs

●Electrical characteristics (Unless otherwise noted : Ta=25°C, V_{CC}=8V, BIAS=2.5V, R_L=8Ω, R_{in}=10kΩ)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Current consumption at no signal	ICC	–	7.5	15	mA	No load
CH1 output offset voltage	VOO1	–50	–	50	mV	
Maximum output amplitude	VOM1	5.1	5.6	6.1	V	
Close loop gain	GVC1	12.5	15.0	17.5	dB	
CH 2,3,4 output offset voltage	VOO2	–50	–	50	mV	
Maximum output amplitude	VOM2	4.0	4.6	5.1	V	
Close loop gain	GVC2	12.5	15.0	17.5	dB	
Mute OFF voltage	VMTOFF	–	–	0.5	V	
Mute ON voltage	VMTON	2.0	–	–	V	

●Application Circuit



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