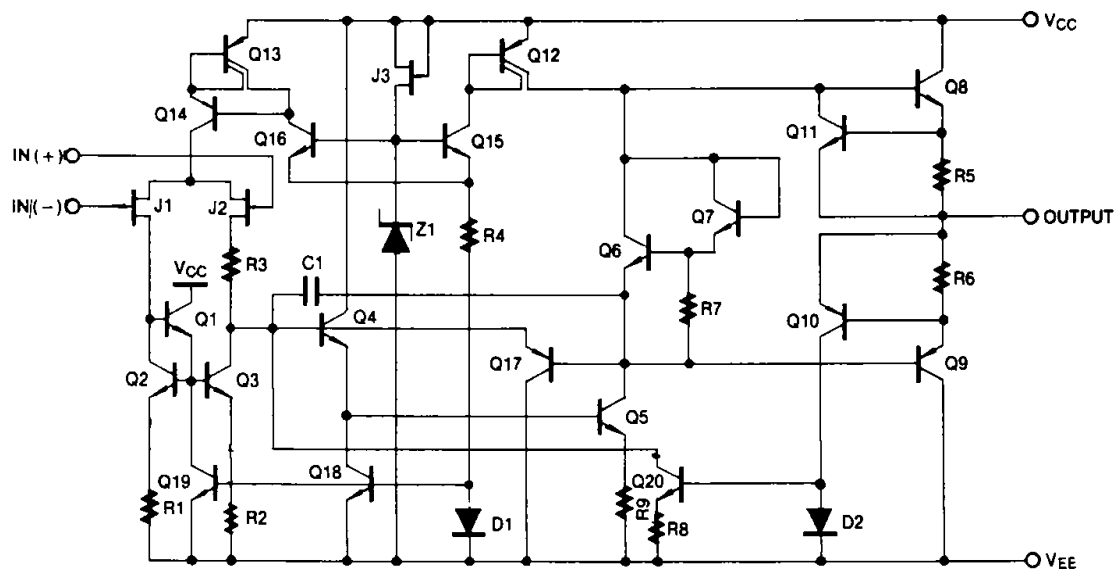


Schematic Diagram

(One Section Only)



Absolute Maximum Ratings

Parameter	Symbol	Value	Unit
Power Supply Voltage	VCC	±18	V
Differential Input Voltage	VI(DIFF)	30	V
Input Voltage Range	VI	±15	V
Output Short Circuit Duration	-	Continuous	-
Power Dissipation	PD	500	mW
Operating Temperature Range	TOPR	0 ~ +70	°C
Storage Temperature Range	TSTG	-65 ~ +150	°C

Electrical Characteristics

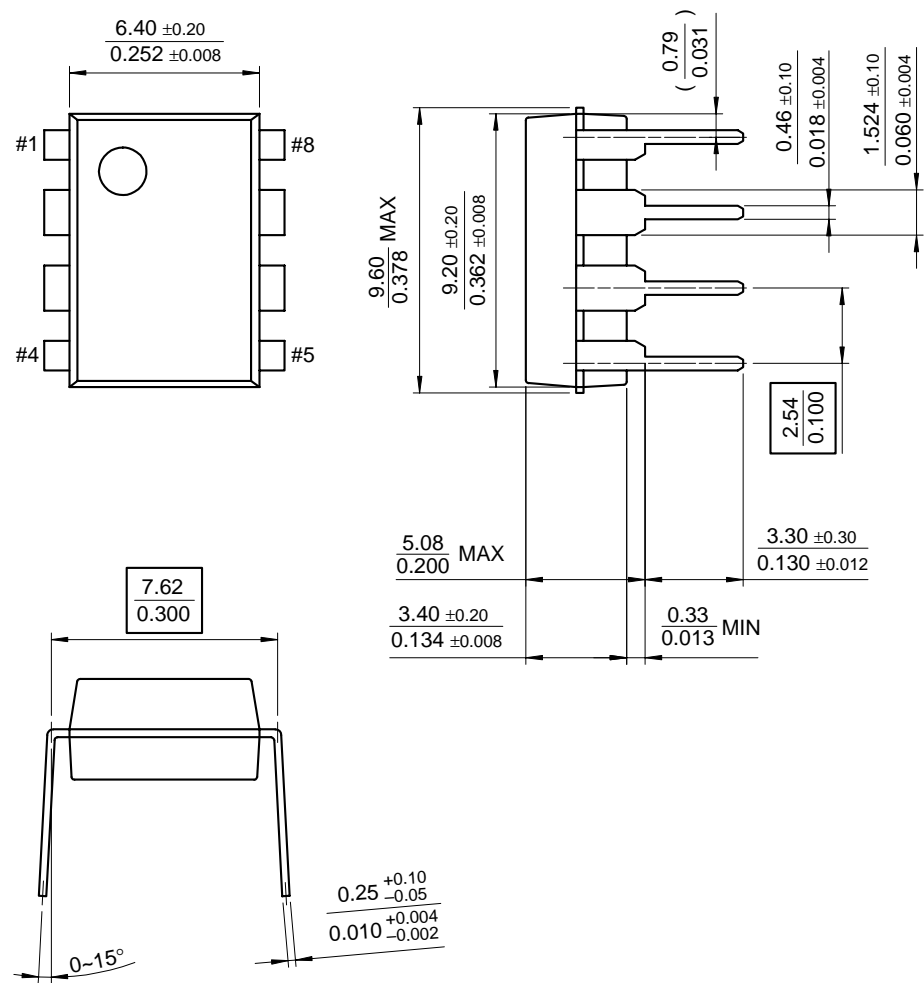
(VCC = +15V, VEE = -15V, TA = 25 °C, unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Input Offset Voltage	V _{IO}	R _S = 10KΩ	-	5.0	10	mV
		0 °C ≤ T _A ≤ +70 °C	-	-	-	
Input Offset Voltage Drift	ΔV _{IO} /ΔT	R _S = 10KΩ	-	10	-	μV/°C
		0 °C ≤ T _A ≤ +70 °C	-	-	-	
Input Offset Current	I _{IO}		-	25	100	pA
		0 °C ≤ T _A ≤ +70 °C	-	-	4	nA
Input Bias Current	I _{BIAS}		-	50	200	pA
		0 °C ≤ T _A ≤ +70 °C	-	-	8	nA
Input Resistance	R _I	-	-	10 ¹²	-	Ω
Large Signal Voltage Gain	G _V	V _O (P-P) = ±10V	25	100	-	V/mV
		R _L = 2KΩ	15	-	-	-
		0 °C ≤ T _A ≤ +70 °C				
Output Voltage Swing	V _O (P-P)	R _L = 10KΩ	±12	±13.5	-	V
Input Voltage Range	V _I (R)	-	±11	±15/-12	-	V
Common Mode Rejection Ratio	CMRR	R _S ≤ 10KΩ	70	100	-	dB
Power Supply Rejection Ratio	PSRR	R _S ≤ 10KΩ	70	100	-	dB
Power Supply Current	I _{CC}	-	-	3.6	6.5	mA
Slew Rate	SR	G _V = 1	-	13	-	V/μS
Gain-Bandwidth Product	GBW	-	-	4	-	MHz
Channel Separation	CS	f = 1Hz ~ 20KHz (Input referenced)	-	120	-	dB
Equivalent Input Noise Voltage	V _{NI}	R _S = 100Ω f = 1KHz	-	16	-	nV/ √Hz
Equivalent Input Noise Current	I _{NI}	f = 1KHz	-	0.01	-	pA/ √Hz

Mechanical Dimensions

Package

8-DIP



Ordering Information

Product Number	Package	Operating Temperature
KF353	8-DIP	0 ~ + 70°C

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2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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