

■ Pin Descriptions

〈AN6567〉

Pin No.	Pin name
1	V _{CC}
2	Ch.1 output
3	Ch.1 inverting input
4	Ch.1 non inverting input
5	V _{EE} (GND)
6	Ch.2 non inverting input
7	Ch.2 inverting input
8	Ch.2 output
9	V _{CC}

〈AN6568, AN6568S〉

Pin No.	Pin name
1	Ch.1 output
2	Ch.1 inverting input
3	Ch.1 non inverting input
4	V _{EE} (GND)
5	Ch.2 non inverting input
6	Ch.2 inverting input
7	Ch.2 output
8	V _{CC}

■ Absolute Maximum Ratings (Ta=25°C)

Parameter		Symbol	Rating	Unit
Voltage	Supply voltage	V _{CC}	18 (±9)	V
	Differential input voltage	V _{ID}	18	V
	Common-mode input voltage	V _{ICM}	− 0.3 to +18	V
Power dissipation	AN6567, AN6568	P _D	500	mW
	AN6568S		360	
Operating ambient temperature		T _{opr}	−20 to +75	°C
Storage temperature	AN6567, AN6568	T _{stg}	−55 to +150	°C
	AN6568S		−55 to +125	

■ Electrical Characteristics (V_{CC}=15V, Ta=25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Input offset voltage	V _{I (offset)}	R _S ≤ 50Ω	—	2	5	mV
Input offset current	I _{IO}	R _S ≤ 50Ω	—	30	100	nA
Input bias current	I _{Bias}	R _S ≤ 50Ω	—	100	500	nA
Voltage gain	G _V	R _L = 2kΩ	88	100	—	dB
Maximum output voltage I	V _{O (max.)}	R _L ≥ 2kΩ, V _{CC} =5V	3.3	—	—	V
Maximum output voltage II	V _{O (max.)}	I _O =70mA, V _{CC} =5V	3.0	—	—	V
Common-mode input voltage width	V _{CM}		V _{CC} −2	—	—	V
Common-mode rejection ratio	CMR		80	90	—	dB
Supply voltage rejection ratio	SVR		80	90	—	dB
Supply current	I _{CC}	R _L =∞, V _{CC} =8.3V	—	5	—	mA
Slew rate	SR	R _L ≥ 2kΩ, A _V =1	—	1.0	—	V/μs
Zero-cross frequency	f _(T)		—	1.3	—	MHz

■ Characteristics Curve



