

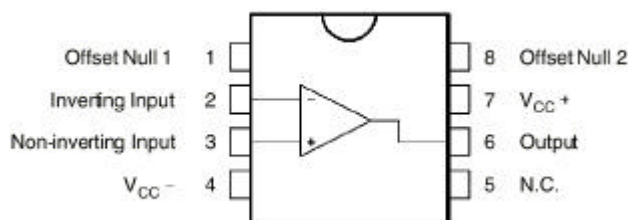
IL9002N

OPERATIONAL AMPLIFIER

The IL9002N is a very high precision op amp with an offset voltage maximum of 250 μ V. Offering also low input current (14nA) and high gain (120V/mV), the IL07N is particularly suitable for instrumentation applications.

FEATURES:

EXTREMELY LOW OFFSET : 250mV MAX
LOW INPUT BIAS CURRENT : 14nA
LOW Vio DRIFT : 0.5mV/°C
SUPPLY VOLTAGE RANGE : $\pm 13V$ to $\pm 18V$



Symbol	Parameter	Value	Unit
Vcc	Supply Voltage	± 15	V
V _d	Differential Input Voltage	± 5	V
V _i	Input Voltage	± 10	V
Toper	Operating Temperature	-10 to +70	°C

ELECTRICAL CHARACTERISTICS

Vcc = $\pm 15V$, Tamb = +25°C (unless otherwise specified)

Symbol	Parameter	Mode	Min.	Typ.	Max.	Unit
Vo	MaxOutput Voltage	Ucc=15V Ucc=16,5V	± 11.5 ± 10			V
Vio	Input Offset Voltage	Ucc=15V Ucc=16,5V			150 250	μ V
Icc	Supply Current	Ucc=15V Ucc=16,5V			± 12 ± 14	mA
Avd	Large Signal Voltage Gain	Ucc=15V Ucc=16,5V	120 120			V/mV
CMR	Common Mode Rejection Ratio		94			dB
Vicm	Max Input Common Mode Voltage Range		± 13	± 15		V
SVR	Supply Voltage Rejection Ratio		90	-	-	dB
SR	Slew Rate		0.1			V/ μ S
Dvio	Input Offset Voltage Drift				6.0	μ V/°C
Dlio	Input Offset Current Drift				200	nA/°C

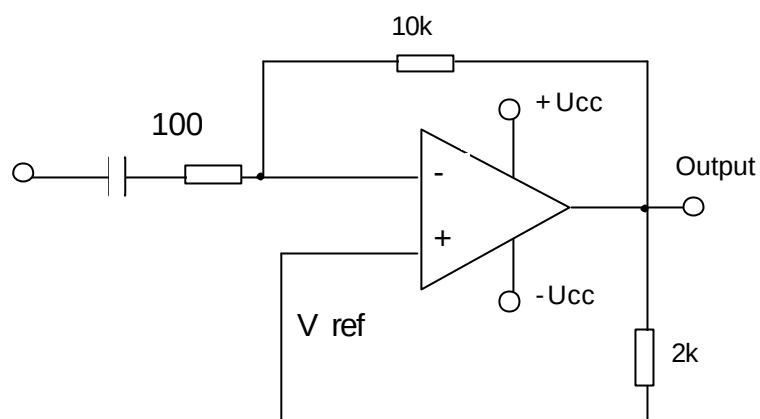


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BELMICROSYSTEMS

IL9002N

Application



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