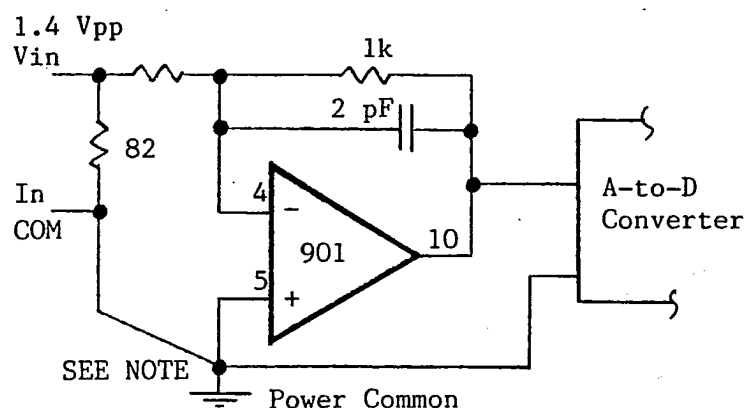
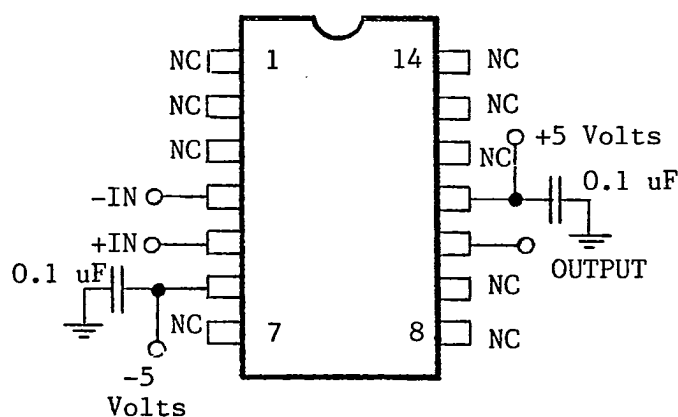


3 THIRD. DOMAIN INCORPORATED

VIDEO OPERATIONAL AMPLIFIER

VOA-901

Description: The VOA-901 is a monolithic integrated circuit operational amplifier optimized for video application. Featuring unity gain stability and ± 5 volt power supply operation, the -901 can be used for any video gain, video signal conditioning or video line driving application.



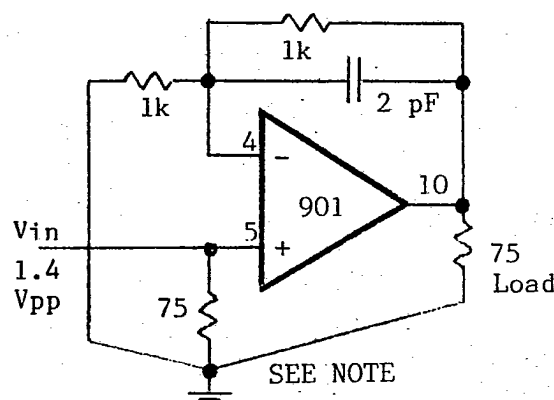
NOTE: Using a common point for all signal commons eliminates any resistive and inductive feed-back paths from output load back to the input.

Absolute Maximum Ratings:

Supply Voltage (Pin 11 to 6)	32 Volts
Differential Voltage (Pin 4 - 5)	5 Volts
Output Current (Pin 10)	40 mA
Operating Temperature Range	0°C to +70°C

Typical Parameters VS = ± 5 V

Gain-Bandwidth Product	= 400 MHz
Output Slew Rate	= ± 400 V/uS
Output Voltage Swing into 75 ohm Load	= ± 2.0 Volts
Open Loop Gain at DC	= 90 dB
Input Offset Voltage	= 3 mV
Input Bias Current	= 5 uA
Input Offset Current	= 1 uA
Input Common Mode Rejection at 1 MHz	= 34 dB
Power Supply Rejection at 1 MHz	= 40 dB
Input Noise Voltage	= 6 nV/Hz ^{1/2}
Differential Gain Error at a 10X Gain	= 0.01 %
Differential Phase Error at a 10X Gain	= 0.01 °
Settling Time for 1.4 V Video to $\frac{1}{2}$ LSB (8 bit)	= 60 nS



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