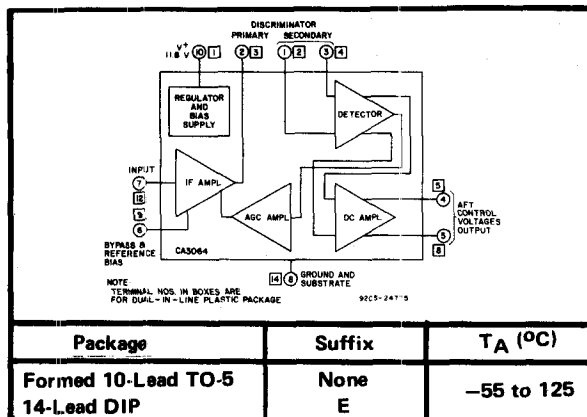


TV Automatic Fine-Tuning Circuit

CA3064

Wide-Band Amplifier/Differential Detector/DC Amplifier



File No. 396*; ICAN-5831*

Applications and Features

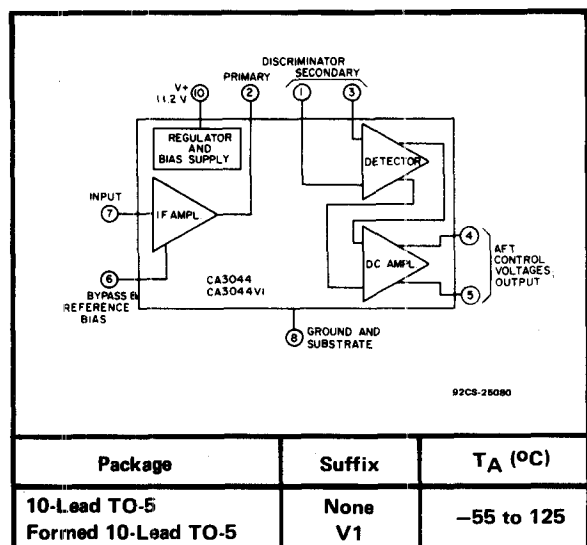
AFC (automatic frequency control) applications
High-gain input amplifier (18 mV input for rated output)
Formed leads for easier PC board design

Electrical Characteristics at T_A = 25°C

Correction-Control Voltage at Terminal 4	45.750 - 0.030	85	% min.
	45.750 + 0.030	25	% max.
Correction-Control Voltage at Terminal 5	45.750 - 0.030	25	% max.
	45.750 + 0.030	85	% min.

Wideband Amplifier/Phase Detector/Output Amplifiers

CA3044



File No. 340*; ICAN-5831*

Applications and Features

Primarily intended for afc
Differential input amplifier/limiter
Differential output voltage amplifier
Full-wave diode bridge balanced phase detector
Internal Zener-diode voltage regulator

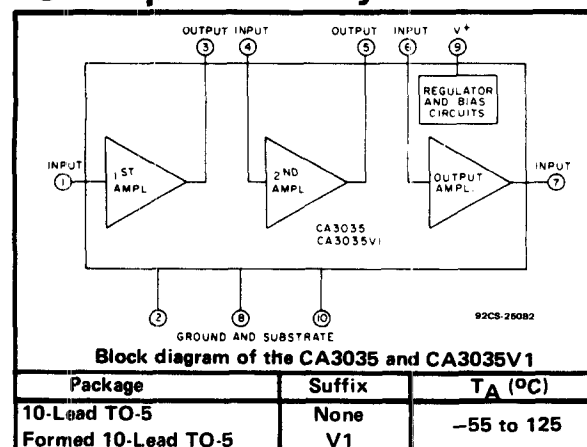
Electrical Characteristics at T_A = 25°C

Input Limiting Voltage (knee)	75	mV typ.
Values for V _{IN} = 200mV rms		
Correction Control Voltage (Term. 4): #		
At 45.750 - 0.025	85	% min.
45.750 + 0.025	33	% max.
At 45.750 - 1.15	85	% min.
45.750 + 1.15	33	% max.

#Values shown are a percentage of the DC regulating supply voltage at Term. 10.

3-Amplifier Array

CA3035



File No. 274*

Applications and Features

Ideal for service in remote-control amplifiers; e.g., TV receivers
All amplifiers single-ended; only one power supply required
Amplifiers operable independently or in cascade
Built-in temperature compensation Low-noise performance

Three separate amplifiers:
gain and bandwidth for each amplifier can be adjusted with suitable external circuitry

Electrical Characteristics at T_A = 25°C

Total Gain per Package at -3dB		
Bandwidth	129	dB typ.
Voltage Gain at 40kHz:		
Amplifier No. 1	40	dB min.
Amplifier No. 2	40	dB min.
Amplifier No. 3	38	dB min.
Noise Figure (Amplifier No. 1) at 1kHz	7	dB max.