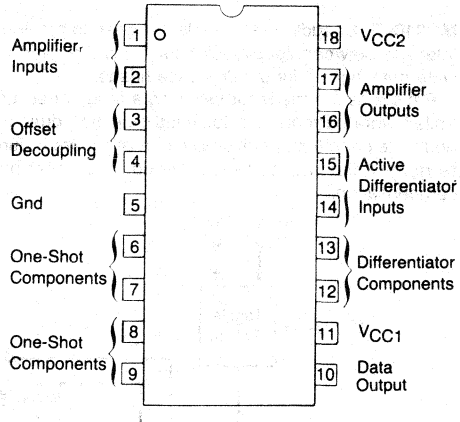
Magnetic Memories to TTL Systems (continued)

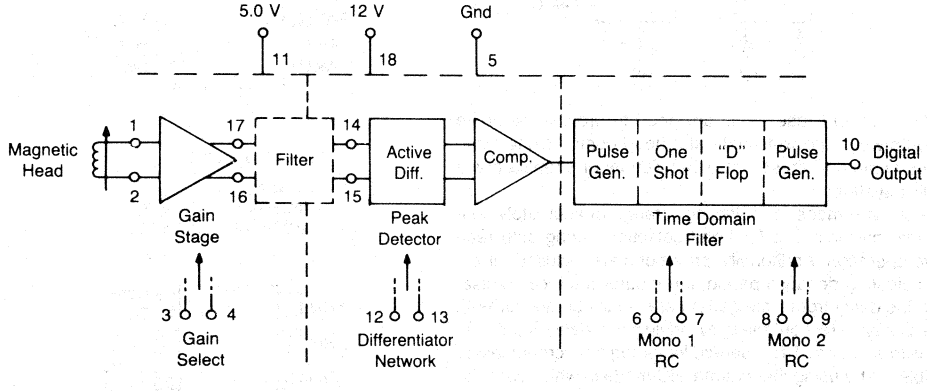
FLOPPY DISK READ AMPLIFIER SYSTEM

MC3470/MC3470A — Designed as monolithic READ Amplifier Systems for obtaining digital information from floppy disk storage. They are designed to accept the differential ac signal produced by the magnetic head and produce a digital output pulse that corresponds to each peak of the input signal. The gain stage amplifies the input waveform and applies it to an external filter network, enabling the active differentiator and time domain filter to produce the desired output. They combine all the active circuitry to perform the floppy disk READ amplifier function in one circuit, and are guaranteed to have a maximum peak shift of 5.0%, adjustable to zero, for the MC3470 and 2.0%, adjustable to zero, for the MC3470A.



T_A = 0 to +70°C

Package:
P Suffix — Case 701



Device Number	Peak Shift (f = 250 kHz, V_{ID} = 1.0 V_{pp})	Differential Input Voltage Gain (f = 200 kHz, V_{ID} = 5.0 mV [RMS])		Input Common Mode Range (5% Max THD)	
		V/V		V	
	% Max	Min	Max	Min	Max
MC3470	5.0	80	130	−0.1	1.5
MC3470A	2.0	100	130		