

MAXIMUM RATINGS (TA = 25°C UNLESS OTHERWISE NOTED)

RATING	SYMBOL	VALUE	UNIT
Power Supply Voltage	V ₋	-10	Vdc
	V ₋	-10	Vdc
Differential Input Signal	V _{in}	±5.0	Vdc
Common Mode Input Swing	CMV _{in}	±5.0	Vdc
Peak Load Current	I _L	25	mA
Power Dissipation (Package Limitation)	P _d		
Metal Can		680	mW
Derate above 25°C		4.6	mW/°C
Flat Package		800	mW
Derate above 25°C		8.3	mW/°C
Ceramic Dual In-Line Pkg.		625	mW
Derate above 25°C		5.0	mW/°C
Plastic Package		415	mW
Derate above 25°C		3.3	mW/°C
Operating Temperature Range	T _A	0 to +75 -55 to -100 MC1440F, P, L MC1540F MC1540G, L	°C
Storage Temperature Range	T _{Stg}	-65 to +250	°C

ELECTRICAL CHARACTERISTICS (TA = 25°C)

TYPE	V ₋ (Vdc)	V ₋ (Vdc)	V _{in} * (mV)	V _{in} /V ₋ (V/V)	V _{oh} (Vdc)	V _{ol} (Vdc)	t _{pd} (ns)	t _s (ns)	CMV _{in} (Vpk)	TCV _{th} (µV/°C)
MC1540	+6.0	-6.0	17	85	5.9	0.35	10	20	±5.0	10
MC1440	+6.0	-6.0	17	85	5.8	0.4	10	20	±5.0	10

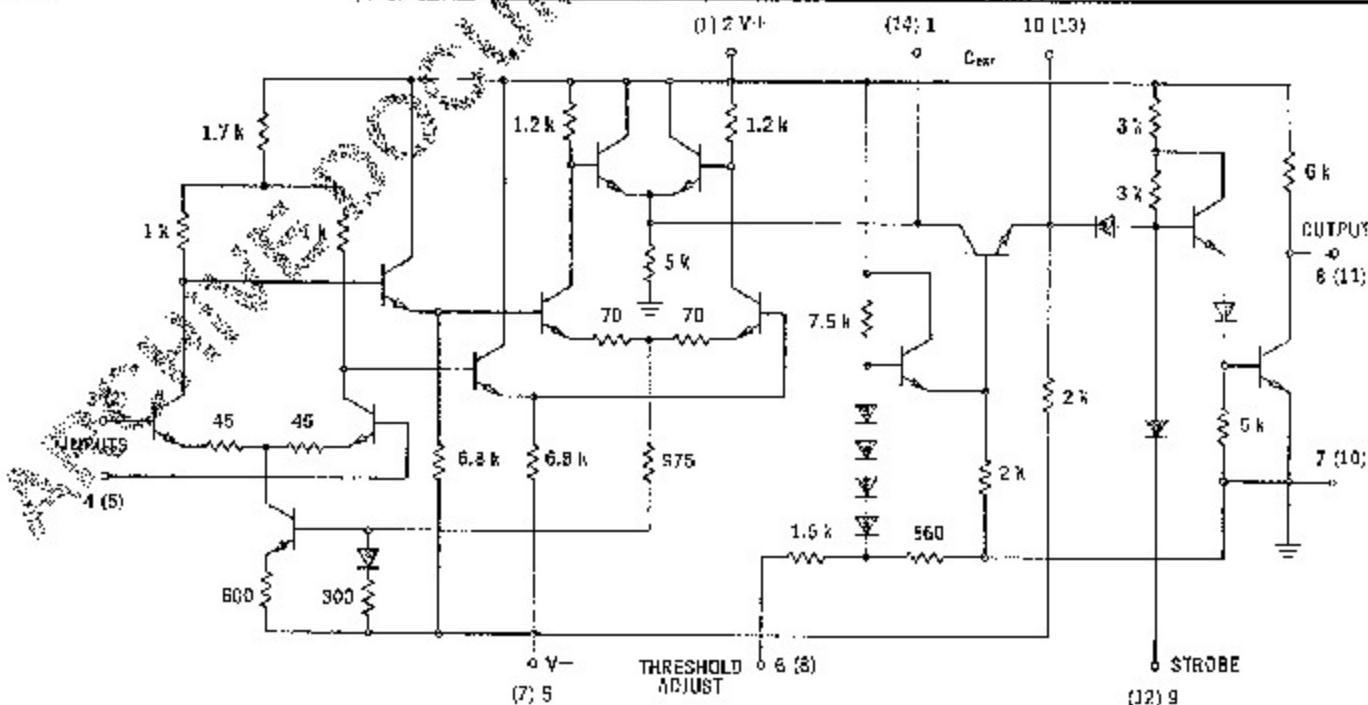
*Input Offset Voltage = 1.0 mV; V_H is adjustable.

F SUFFIX
CASE 606
(Formerly Case 72)
TO-91

G SUFFIX
CASE 602B
(Formerly Case 71)

L SUFFIX
CERAMIC PACKAGE
CASE 606C
TO-116

P SUFFIX
PLASTIC PACKAGE
CASE 605
(Formerly Case 93)
TO-116



Number at terminal end represents pin numbers for devices in flat package and metal can. Number in parenthesis represents pin number for dual in-line ceramic and plastic packages.