

## Electrical Characteristics (Note 5) (Continued)

**Note 3:** For operation at elevated temperatures, these devices must be derated based on thermal resistance, and  $T_j$  max. (listed under "Absolute Maximum Ratings").  $T_j = T_A + (\theta_{JA} P_D)$ .

Thermal Resistance	Cerdip (J)	DIP (N)	HO8 (H)	SO-8 (M)
$\theta_{JA}$ (Junction to Ambient)	100°C/W	100°C/W	170°C/W	195°C/W
$\theta_{JC}$ (Junction to Case)	N/A	N/A	25°C/W	N/A

**Note 4:** For supply voltages less than  $\pm 15V$ , the absolute maximum input voltage is equal to the supply voltage.

**Note 5:** Unless otherwise specified, these specifications apply for  $V_S = \pm 15V$ ,  $-55^\circ C \leq T_A \leq +125^\circ C$  (LM741/LM741A). For the LM741C/LM741E, these specifications are limited to  $0^\circ C \leq T_A \leq +70^\circ C$ .

**Note 6:** Calculated value from:  $BW$  (MHz) =  $0.35/\text{Rise Time}(\mu s)$ .

**Note 7:** For military specifications see RETS741X for LM741 and RETS741AX for LM741A.

**Note 8:** Human body model,  $1.5\text{ k}\Omega$  in series with  $100\text{ pF}$ .

## Schematic Diagram

