



Figure 10 Reduced values of the observed energy gap $E_g(T)/E_g(0)$ as a function of the reduced temperature T/T_c , after Townsend and Sutton. The solid curve is drawn for the BCS theory.

TABLE 3 Energy Gaps in Superconductors, at $T = 0$

ν_{gap} in GHz
 $E_g(0)$ in 10^{-4} eV. ?
 $E_g(0)/k_B T_c = 2\Delta/k_B T_c$

										Al	Si
Sc	Ti	V 386.9 16. <u>3.4</u>	Cr	Mn	Fe	Co	Ni	Cu	Zn 58.03 2.4 <u>3.2</u>	Ga 79.79 3.3 <u>3.5</u>	Ge
Y	Zr	Nb 237.5 30.5 <u>3.80</u>	Mo 65.23 2.7 <u>3.4</u>	Tc	Ru	Rh	Pd	Ag	Cd 36.27 1.5 <u>3.2</u>	In 25.39 10.5 <u>3.6</u>	Sn (w) 278.1 11.5 <u>3.5</u>
La fcc 57.4 19. <u>3.7</u>	Hf	Ta 338.5 14. <u>3.60</u>	W	Re	Os	Ir	Pt	Au	Hg (α) 399.0 16.5 <u>4.6</u>	Tl 177.7 7.35 <u>3.57</u>	Pb 660.1 27.3 <u>4.38</u>

$\frac{2\Delta(0)}{k_B T_c}$

$h\nu = E_g$