- 7.22 Design a single-section coupled line coupler with a coupling of 19.1 dB, a system impedance of 60Ω , and a center frequency of 8 GHz. If the coupler is to be made in stripline (edge-coupled), with $\epsilon_r = 2.2$ and b = 0.32 cm, find the necessary strip widths and separation.
 - Also, draw labeled sketch of design.

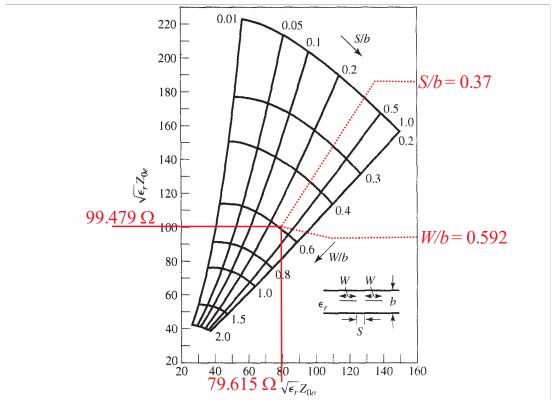
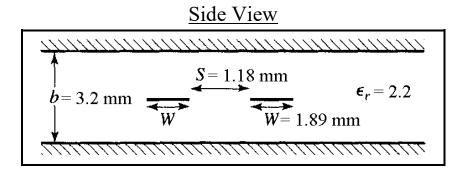


FIGURE 7.29 Normalized even- and odd-mode characteristic impedance design data for sym metric edge-coupled striplines.



Top View

