

Problem 7.21

The envelope of BFSK is constant with time, whereas the envelope of BASK is variable. Accordingly, the noncoherent receiver of Fig. 7.18 for BFSK offers the following practical advantages over the noncoherent receiver of Fig. 7.17 for BASK:

- (i) Reduced sensitivity to nonlinear transmission.
- (ii) Improved performance in the presence of channel noise and interference.