Assignment

GATE 2023, EC-27

EE23BTECH11215 - Penmetsa Srikar Varma

Question

Q27) Let m(t) be a strictly band-limited signal with bandwidth B and energy E. Assuming ω_0 = 10B, the energy in the signal $m(t)\cos(\omega_0 t)$

(A) $\frac{E}{4}$ (B) $\frac{E}{2}$ (C) E (D) $2E$