

GATE - EC 27

EE23BTECH11215 - Penmetsa Srikar Varma

QUESTION

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

(A) $\frac{E}{4}$

(B) $\frac{E}{2}$

(C) E

(D) $2E$

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