

대 전력 전자빔의 개발과 응용

김원섭, 김종만
남도대학 컴퓨터응용전기과

Development and Application High Power Electron Beam

Won-sop KIM, Jeong-man KIM
Namdo Provincial College

Abstract : A large diameter plasma filled backward wave oscillator is investigated experimentally. The parameters of slow wave structure are chosen so that the oscillation frequency is high beam energy. Plasma is produced by the beam and it has favorable effects on beam propagation and Cerenkov oscillation.

Key Words : high frequency, beam energy, cerencov oscillation