**Beam Test of a SiC Duct Developed for an rf Damped Cavity**, M. IZAWA, T. TAJIMA, S. TOKUMOTO, KEK; Y. KAMIYA, T. KOSEKI, ISSP; M. KUDO, N. TANIYAMA, Micro Denshi Inc.
- Development of a SiC microwave absorber duct for an rf damped cavity, which is being developed at the Photon Factory (KEK) in collaboration with ISSP (the Tokyo University), is presented. The SiC duct is composed of aluminium duct with ICF253 flanges and a SiC duct inside. The SiC duct is inserted in the Al duct by shrink fit. The high power test of this duct has been already carried out successfully using 2.45 GHz travelling wave of the TE10 mode with maximum power of 4 kW. The result of the beam test of the SiC duct installed in the Photon Factory storage ring will be presented.