A Prototype Module of Superconducting Damped Cavities for **KEKB**, K. AKAI, K. ASANO, E. EZURA, T. FURUYA, K. HARA, K. HOSOYAMA, A. KABE, S. MITSUNOBU, Y. KOJIMA, Y. MORITA, H. NAKANISHI, T. TAJIMA, T. TAKAHASHI, T. TAKASHIMA, S. YOSHIMOTO, KEK; Y. ISHI, Y. KIJIMA, T. MURAI, Mitsubishi K. SENNYU, Mitsubishi Heavy Electric Co.; Industries, Ltd. - KEKB is an asymmetric electronpositron collider with two rings of 3.5 GeV x 2.6 A and 8 GeV x 1.1 A. Because of the heavy beam loading, the use of superconducting damped cavities is under investigation as well as normal conducting ones. For the feasibility study, a prototype module of a single cell niobium structure, which has a 850 kW coaxial-type input coupler and a pair of HOM ferrite dampers, has been constructed. The field gradient of 11.4 MV/m was achieved at the first cold test under no beam. This module will be installed in TRISTAN Accumulation ring for the beam test.