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CATECH Technology Advantage

I. Permeability

(1). 10KHz could achieve 80,000-120,000 permeability, median value of 90,000; Through heat treatment and strip can also be made of 20,000 permeability, 1K502D material, thousands of permeability (transverse tension core)

(2). 100KHz could achieve 3-43,000 permeability, the median value of 35,000

II. Impregnation, strip thickness and coating process

(1). At present, Catch Research has a unique magnetic core impregnation process and self-developed automatic impregnation production line in China, which is also the first automatic impregnation production line in the nanocrystalline industry. This process ensures that no debris is generated in the vibration test, and the performance attenuation range is controlled within 8%, thereby improving the safety of Delta products, especially hybrid models. The vibration level of the range extender is harsher than pure, Japan Toyota, ideal Automobile, Huawei Automobile use our products in batch production;

(2). The core has absolutely superior characteristics in the whole frequency band, the material is currently in the industry's leading level of 12 μ m thickness, and the use of a unique annealing process, especially in the 100KHz high frequency permeability can be 48,000 or even more than 50,000, in the device design can effectively reduce the use of copper wire, while the volume can also be reduced. This kind of design can only be done at present;

III. We for the vehicle ESD, pulse and surge requirements, after three years of research and development time, to solve the problem of 50% decline in the performance of the magnetic core under these three working conditions, we will increase the coating process, at present, only Hitachi in the world can batch production, we are the only domestic manufacturers can mass production, to meet the IEC 61000-4-4 and 4-5 requirements, The Bosch Volvo case is in batch production;