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The two-parameter family of Hermite Distributed Approximating Functionals (HDAFs) is shown to possess all properties that are essential requirements in filter design. When properly scaled, HDAFs approximate the ideal window in the frequency domain uniformly almost everywhere while retaining their smoothness. More precisely, upper and lower bounds on their Fourier transforms demonstrate that the pass and transition bands can be tuned independently and continuously to any width while preserving Gaussian decay in both physical and Fourier domains. The key ingredient for the derivation of bounds and continuity properties is an integral representation for HDAFs. (Received January 05, 2004)