Electronic Supplementary Material (ESI) for Soft Matter.
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Supplementary Information

This file includes:

Fig. S1 Simulation procedure for SDEP force and potential energy.
Fig. S2 Absolute value of real dielectric anisotropy (|δε|) of LC as a function of frequency at 20 °C and 79 °C, and |δε| as a function of temperature at 1 kHz near T_{NI}.

Other Supplementary information for this manuscript includes the following:

Movie S1. Bidirectional DEP of an isotropic droplet under the application of 60 Hz square wave signals.
Movie S2. Bidirectional DEP of an isotropic droplet under the application of 1 kHz square wave signals.
Movie S3. Bidirectional DEP of an isotropic pocket under the application of 60 Hz square wave signals.

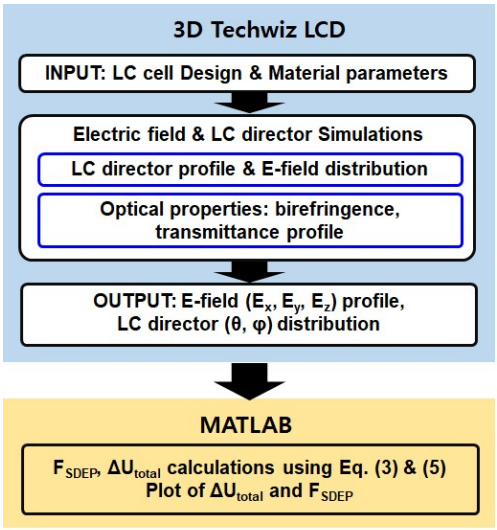

Fig. S1 Simulation procedure for SDEP force and potential energy.

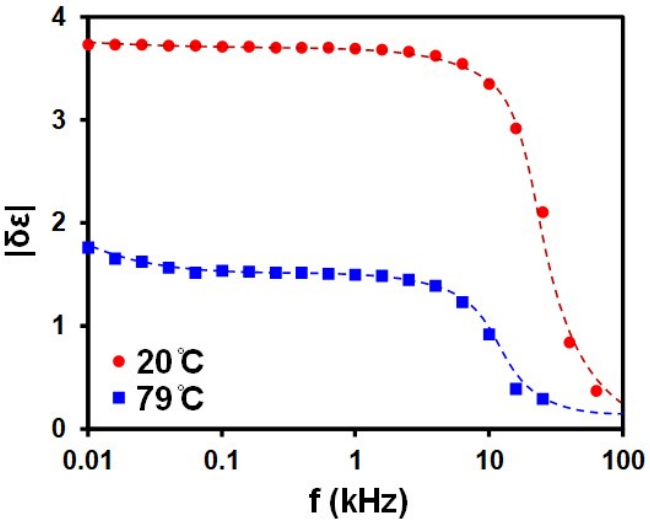

Fig. S2 Absolute value of real dielectric anisotropy (|δε|) of LC as a function of frequency at 20 °C and 79 °C.