

Supporting information

**Decreased Domain Size of p -DTS(FBTTh₂)₂/P(NDI2OD-T2)
Blend Films by Their Different Solution Aggregation
Behavior with Temperature**

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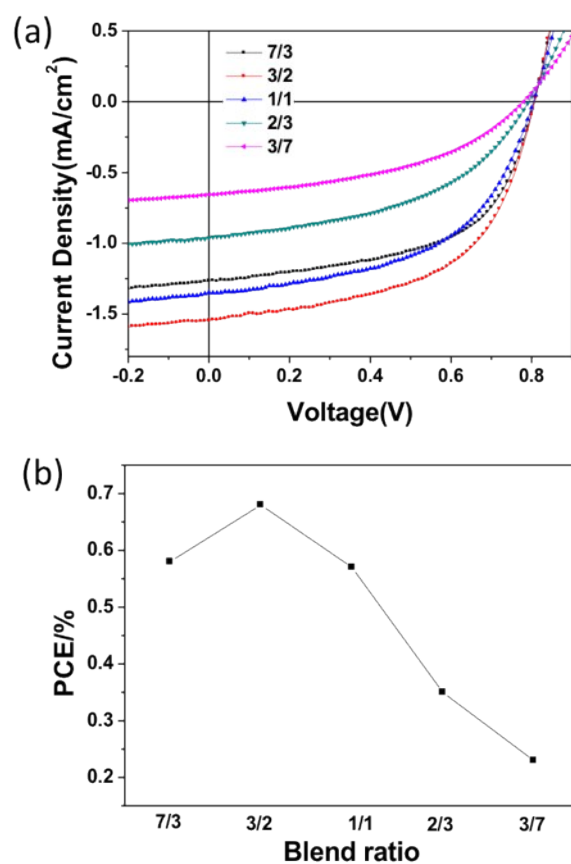


Figure S1 (a) J-V curves and (b) the summary of power conversion efficiency of *p*-DTS(FBTTh₂)₂/P(NDI2OD-T2) devices with various blend ratios.

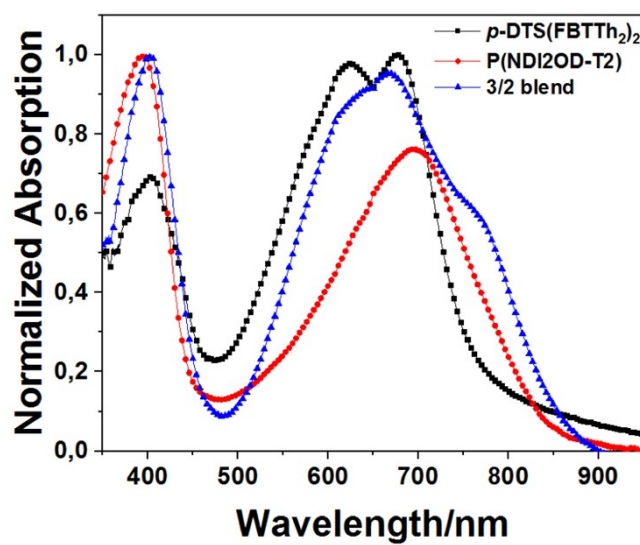


Figure S2 Normalized UV absorption spectra of neat P(NDI2OD-T2), *p*-DTS(FBTTh₂)₂, and 3/2 blend films.

Table S1 the photovoltaic data of *p*-DTS(FBTTh₂)₂/P(NDI2OD-T2) devices with various blend ratios.

Blend ratio	V _{oc} /V	J _{sc} /mA*cm ⁻²	FF	PCE/%	Max/Average
7/3	0.81	1.27	0.56	0.58	0.60/0.58
3/2	0.81	1.52	0.56	0.68	0.69/0.68
1/1	0.80	1.35	0.53	0.57	0.64/0.59
2/3	0.79	0.96	0.47	0.35	0.38/0.35
3/7	0.78	0.66	0.44	0.23	0.20/0.19