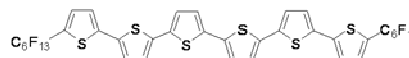


ActivInk™ N0900



Materials Properties

Chemical Structure:	DFH-6T
Physical Form:	Orange solid
Purity:	> 99.5%
Melting Point:	309°C
Solubility:	Insoluble
Can Publish Results:	Yes



Electronic Properties

Optical Absorption (λ max.):	443 nm
HOMO / LUMO (by CV.):	5.9 / 3.4
Abs. Coefficient:	5.0×10^4
Bandgap:	2.4eV

Typical Device Data

Carrier Mobility:

Deposition Method	Mobility	Device Stack
Vapor	0.01-0.02 cm ² /Vs	TCBG Si / SiO ₂ -HMDS / Au / L=50 μ m

Turn-on Voltage:	30 – 40 V
On/Off Ratio:	$1.0 \times 10^{4-5}$
Device Shelf Life:	Good
Recommended Contact Type(s):	Au, but will work with others.
Device Yield / Reproducibility:	Good

FET Transfer Characteristic

Vapor

Coming Soon