

SC 150 Gen2

Low temperature, high performance

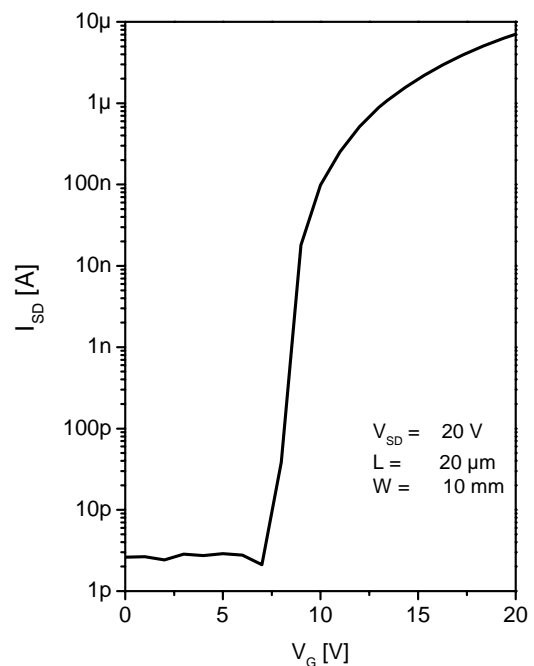
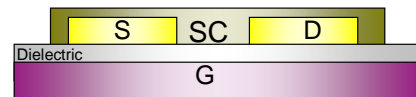
- Stable, inorganic system
- Solution processable under ambient conditions
- Solvents can be adjusted to customers needs
- Temperatures below 150 °C sufficient
- μ_{FET} up to 0.1 cm²/Vs (n-type)
- Homogeneous film forming

Device setup for shown transfer characteristic

Function	Material
Gate	n-doped Si
Dielectric	230 nm SiO ₂
Source / Drain	ITO / Au
Semiconductor	SC 150 Gen2

We recommend PD 10 EG IJ as dielectric for top-gate devices.

This material can be supplied under NDA.



This is a laboratory product at the developmental stage. No definitive statements can therefore be made as to type conformity, processability, long-term performance characteristics or other production or application parameters. Unless specified to the contrary, the values given have been established on standardised test specimens at room temperature. The figures should be regarded as non-binding approximate data only, and not as guide values or binding minimum values. Please note that, under certain conditions, the properties of the film are affected to a considerable extent especially by the processing and curing conditions, the layer thickness, and the design of the print.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Degussa GmbH · Creavis Technologies & Innovation
Paul-Baumann-Straße 1 · 45764 Marl · Germany
Phone +49 2365 49-4666 · **Fax** +49 2365 49-7110
email: printed-electronics@evonik.com
www.evonik.com