

Automotive Discrete Group (ADG)
Power Transistor Division

Process Change Information

STripFET™ F7 100V Capacity Extension in ST's Ang Mo Kio (Singapore) FAB

Dear Customer,

Following the continuous improvement of our service and in order to increase productivity, we are pleased to announce that STripFET™ F7 (OFT) 100V technology wafers, currently manufactured in Catania and in our Subcontractor HHGrace will be also performed in ST's Ang Mo Kio (Singapore) FAB.

Wafers produced in Ang Mo Kio (Singapore) FAB, guarantee the same quality and electrical characteristics as per current production.

In the next pages, we are reporting the qualification plan to reach full maturity.

The change has been classified as **Class 1** according to the ZVEI and ST internal rules.

Assessment of impact on Supply Chain regarding following aspects		Remaining risks on Supply Chain?	
- contractual agreements - technical interface of processability/manufacturability of customer - form, fit, function, quality performance, reliability			
ID	Type of change	No	Yes
SEM-PW-13	Move of all or part of wafer fab to a different location/site/subcontractor	P	P

The qualification of the change will be completed by wk 40/2017.

Sincerely Yours!

STripFET™ F7 100V Capacity Extension in ST's Ang Mo Kio (Singapore) FAB

ST Part number:	ST PN: STripFET™ F7 (OFT100) Package: All the Packages												
Reason and background of the change	To increase flexibility by improving capacity avoiding the risk for the customer to line down due to lack of silicon at FE level.												
Detailed description of change(s), including affected type of changes	The Diffusion Process and Wafer Testing for STripFET™ F7 (OFT) 100V technology will be performed also in ST's Ang Mo Kio (Singapore) FAB.												
Impact on form, fit, function, or reliability.	No Impact												
Datasheet	No Impact												
Benefit of the change	Capacity and flexibility increase.												
Planned Implementation date for change	<p>The qualification will be completed according to the following plan:</p> <table border="1"> <thead> <tr> <th>Test Vehicles</th> <th>N. of Lots</th> <th>Type of verification</th> <th>Forecast</th> </tr> </thead> <tbody> <tr> <td>STP150N10F7</td> <td>1</td> <td rowspan="3"> <ul style="list-style-type: none"> • Full electrical characterization • Full reliability </td> <td rowspan="3">Wk 40/2017</td> </tr> <tr> <td>STP15810</td> <td>1</td> </tr> <tr> <td>STH15810-2</td> <td>1</td> </tr> </tbody> </table>	Test Vehicles	N. of Lots	Type of verification	Forecast	STP150N10F7	1	<ul style="list-style-type: none"> • Full electrical characterization • Full reliability 	Wk 40/2017	STP15810	1	STH15810-2	1
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PPAP Update	N/A												