

Automotive Discrete Group (ADG)
Power Transistor Division

Process Change Information

STripFET™ F7 80V 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) 80V technology wafers, currently manufactured in Catania 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 end of 2018.

Sincerely Yours!

STripFET™ F7 80V Capacity Extension in ST's Ang Mo Kio (Singapore) FAB

ST Part number:	ST PN: STripFET™ F7 (OFT80) 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) 80V 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 technology qualification will be completed according to the following plan:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr style="background-color: black; color: white;"> <th>Test Vehicles</th> <th>N. of Lots</th> <th>Type of verification</th> <th>Forecast</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">STP140N8F7</td> <td style="text-align: center;">3</td> <td> <ul style="list-style-type: none"> Full electrical characterization Full reliability </td> <td style="text-align: center;">End of 2018</td> </tr> </tbody> </table> <p>Start of production with Ang Mo Kio silicon by begin of 2019.</p>	Test Vehicles	N. of Lots	Type of verification	Forecast	STP140N8F7	3	<ul style="list-style-type: none"> Full electrical characterization Full reliability 	End of 2018
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