

April 18th, 2016

To Fox Customers,

As we continue to strive to provide our customers with the best possible experience as well as an ease of doing business, we have decided to change our part numbering format from our custom configured part numbers (ex. 278LF-25-163) on new opportunities, and switch to a more traditional coded part number format that will now make the specifications of the part number easier to determine. As a result of this change, customers will no longer have to come to Fox to get a valid part number. We are providing this new easy to use part numbering guide to provide our customers a less cumbersome path to identify Fox products.

Existing configured part numbers and standard part numbers are still valid and still orderable, eliminating the need to update existing BOMs. If your BOM had a model and description, which technically never was a valid part number, we will provide an ordering part number in the new format.

Data sheets are in the process of being updated with the specific options available for each model. In the meantime a master code list is being published and available on our website. Please be aware not all spec combinations are possible.

Below is a comparison of the previous part number, the new part number format, and a brief description of how the frequency is written. We hope to implement this change with minimal disruption, and are here to assist you with any questions you might have.

### Part Number Change Example

In the below example, if the customer requested an F4105R at 25MHz he could determine the part# would be 125-25-xxxx, but would need to come to Fox to get the xxxx defined, so the part# after coming to us would end up being for example 125-25-346. This created an issue as the customer would sometimes put F4105R-25.000MHz on the BOM, which is not a valid orderable part number, but a model number and frequency.

• PART NUMBER SELECTION				
Part Number	Model Number	Frequency Stability <sup>1</sup>	Operating Temperature (°C)	Frequency Range (MHz)
116-Frequency-xxxxx	F4100	±100PPM	-10 ~ +70	0.012 ~ 170.000
117-Frequency-xxxxx	F4100R	±100PPM	-40 ~ +85	0.012 ~ 170.000
124-Frequency-xxxxx	F4105	±50PPM	-10 ~ +70	0.012 ~ 170.000
125-Frequency-xxxxx	F4105R	±50PPM	-40 ~ +85	0.012 ~ 170.000
126-Frequency-xxxxx	F4106	±25PPM	-10 ~ +70	0.012 ~ 165.000
127-Frequency-xxxxx	F4106R	±25PPM*	-40 ~ +85	0.012 ~ 156.520
128-Frequency-xxxxx	F4108	±20PPM*	-10 ~ +70	0.012 ~ 162.000

In the new part number format, the customer will be able to look at the part number guide and determine the part number to put on the BOM without having to get the part number from Fox. Using the same F4105R example and using the guide below it easy to determine that the part# is FO7HSCBM25.0

Company	Model	Voltage	Stability	Temp Code	Frequency before the decimal	Decimal or Custom Code	Frequency after the decimal
F=Fox	O7HS=F4100 Series	C=3.3Volts+-10%	A=100ppm	E=-10 to +70C	0000	.,-	000000
			B=50ppm	M=-40 to +85C		A=TBD	
			D=25ppm			B=TBD	
			E=20ppm			C=TBD	

## Frequency Format

The frequency must have at least one digit before and one digit after the decimal, once this is met, then it is to the least significant digit and always written in MHz. Here are a few examples

Frequency	Frequency Part# Format
32.768kHz	0.032768
24.576MHz	24.576
25MHz	25.0
148.123456MHz	148.123456
125MHz	125.0
622.080MHz	622.08
1GHz	1000.0