

## PCN – Process/Product Change Notification

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PCN-Number: PCN-2018-03 V2  
Date: 17.06.2019

Customer: -  
Supplier Site affected: -  
Subject: K-LC5 / K-LC5\_V2 / K-LC5\_V3

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### 1. Description and Purpose of Change

Change of internal oscillator/mixer design due to obsolete component. GaAs components have been exchanged by a SiGe MMIC. No change in fit and form of the module have been made. Improvements of function include:

- Better linearity of VCO
  - Lower frequency drift over temperature
  - Larger frequency span of VCO
  - Change in sign of VCO input
  - Larger startup time
  - Slightly higher power consumption
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### 2. Type of Change

- Change in FIT
  - Change in FORM
  - Change in FUNCTION
  - Change of quality or reliability
  - Product End of life notification
  - Changes of test specification limits
  - Change of supplier in supply chain to manufacture the product
  - Changes of specification limits of manufacturing processes
  - Production from new or modified tools
  - Change of the process recipe
  - New source of raw material from new or existing supplier
  - Change in test/inspection method - new technique (no effect on acceptance criteria)
  - Production from tooling and equipment transferred to a different plant site or from an additional plant site
  - Change in Packing/shipping
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### 3. Risk Assessment and Planning

Scheduled change date: Production of new batch  
Current product available until: until exhaust of stocks  
Traceability / Labeling: - K-LC5-RFB-00D (5V Version with VCO input - replacement of K-LC5)  
- K-LC5-RFB-01D (5V Version without VCO input - replacement of K-LC5\_V2)  
- K-LC5-RFB-00C (3.3V Version with VCO input - replacement of K-LC5\_V3)

Risk assessment: -  
Product qualification necessary? No  
Sample availability: Yes

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### 4. Change Category

- Customer approval requested
  - Notification to customer
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### 5. Approval

RFbeam Approval: Léon Audergon

Your approval is kindly requested by signing the documents and returning it to RFbeam within 10 days. Lack of acknowledgment of the PCN within 30 days constitutes acceptance of this change

Customer Company Name: \_\_\_\_\_  
Name: \_\_\_\_\_  
Position: \_\_\_\_\_  
e-Mail / Phone: \_\_\_\_\_  
Date: \_\_\_\_\_