

87405C-01

# Information Only Service Note

Supersedes:  
NONE

## 87405C Pre-Amplifier, 0.1-18 GHz, TYPE N(M) output to TYPE N(F)

Serial Numbers: ALL

### The Situation

Revised Noise Figure specification for 87405C Preamplifier

### Parts Required:

NONE

### ADMINISTRATIVE INFORMATION

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Calibration Required

Calibration NOT Required

PRODUCT LINE: PLWN

AUTHOR: NMT

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ADDITIONAL INFORMATION:

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**Situation:**

The low end frequency Noise Figure specification for the 87405C Preamplifier has been revised from 6dB to 7dB for 0.1 to 0.5 GHz effective immediately. Table 1 show the detail. There is no other performance specifications are affected for the 87405C.

<b>PRODUCT MODEL</b>	<b>NOISE FIGURE Spec</b>	<b>NEW NOISE FIGURE Spec</b>
<b>87405C</b>	100 MHz to 4 GHz: 6 dB 4 GHz to 18 GHz: 4.5 dB	100 MHz to 500 MHz: 7 dB 500 MHz to 4 GHz: 6 dB 4 GHz to 18 GHz: 4.5 dB

Table 1: 87405C Noise Figure Specification

The product datasheet and user manual have been updated to reflect the change and the latest document is ready in K.com.

**Solution/Action:**

There is a new serial number prefix to indicate the revised specification. All the 87405C with a serial number prefix as shown in Table 2 below will have revised Noise Figure specification as mentioned above in comparison with the old specification.

<b>87405C Preamplifier</b>		
	<b>Existing Noise Figure specification</b>	<b>NEW Noise Figure specification</b>
<b>Serial Number Prefix</b>	MY5301xxxx, SG5301xxxx	Starts from MY55380001, SG55380001

Table 2: Serial number prefix for 87405C

For customers who require lower noise figure preamplifiers, Keysight recommends the U7227x Series USB smart preamplifiers.

**Revision History:**

<b>Date</b>	<b>Service Note Revision</b>	<b>Author</b>	<b>Reason for Change</b>
04 Nov 2015	01	Ng Mooi Tiang	As Published