



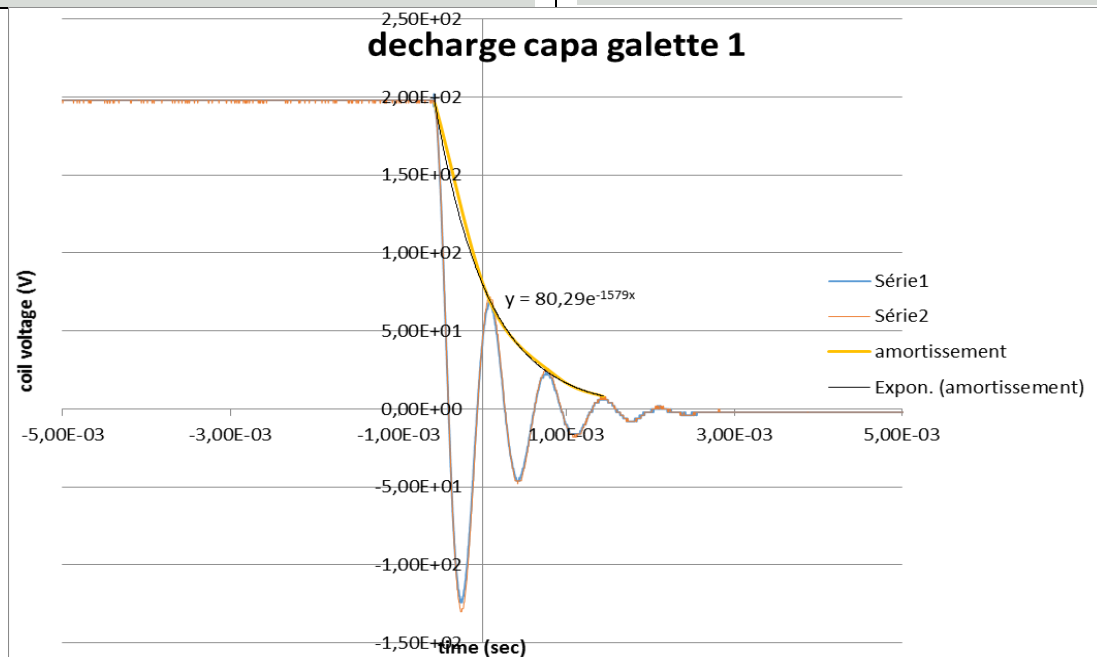
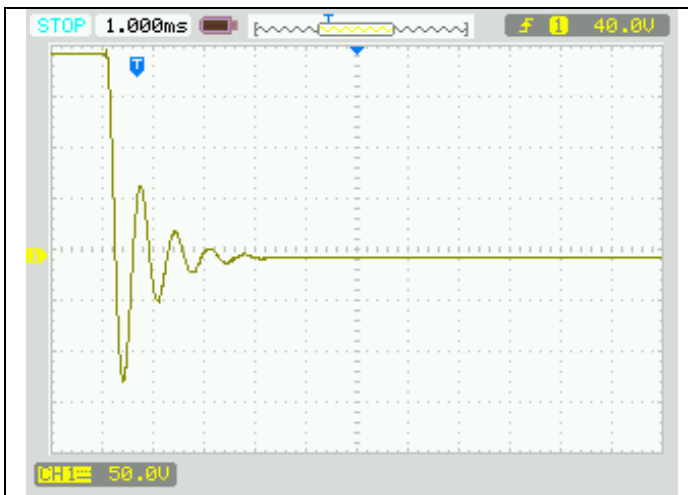
# 2015-01-19 ELECTRICAL COIL CONTROL REPORT

Customer : JLAB  
 Date: 19/01/2015  
 ΣΦ reference : 318711  
 Drawing : 318711-squelette-QPOLES-V115-revB  
 Revision : A

Designation :	Identification :	UNI T	REQUIR ED	RESULT	Date Initial	ACTIO N
Coil A	Serial N° : first double pancake (GD n°1)					

## After moulding (without mandrei) before brazing

Ring test at 198V (2.17V/turn) and damping coefficient	/			<b>1579</b>	AJ 23/02/15	
Period	μs			<b>688</b>	AJ 23/02/15	
DC resistance value at 20° C (100mA)	mΩ			<b>117.3</b>	AJ 23/02/15	
Inductance at 100hz	mH			<b>7.70</b>	AJ 23/02/15	
Inductance at 400hz	mH			<b>4.90</b>	AJ 23/02/15	
Inductance at 1000hz	mH			<b>4.19</b>	AJ 23/02/15	



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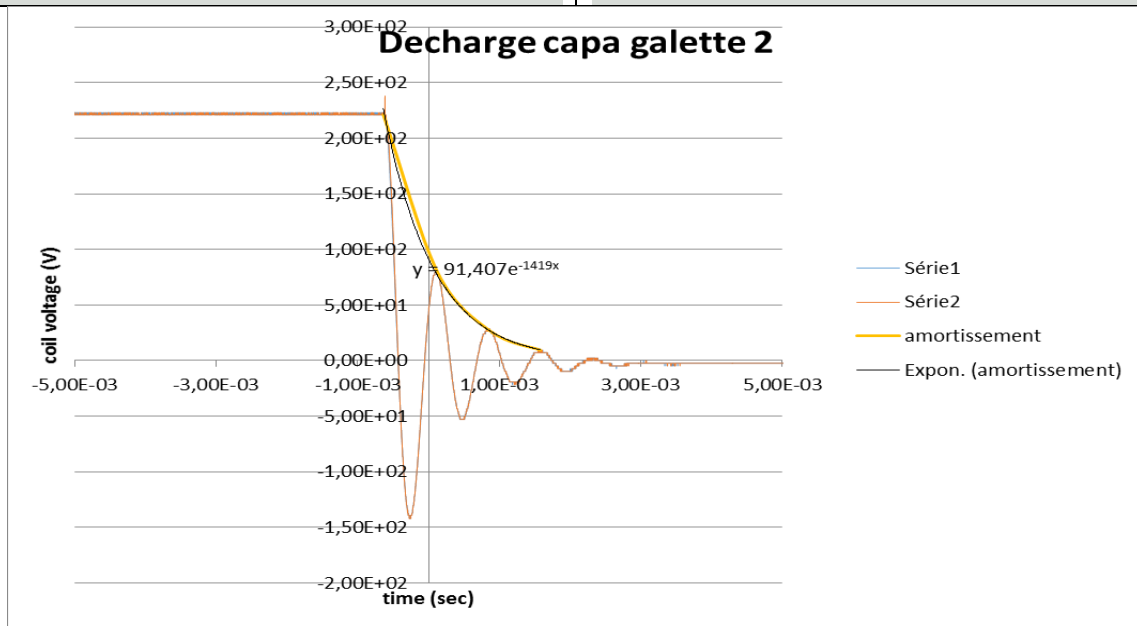
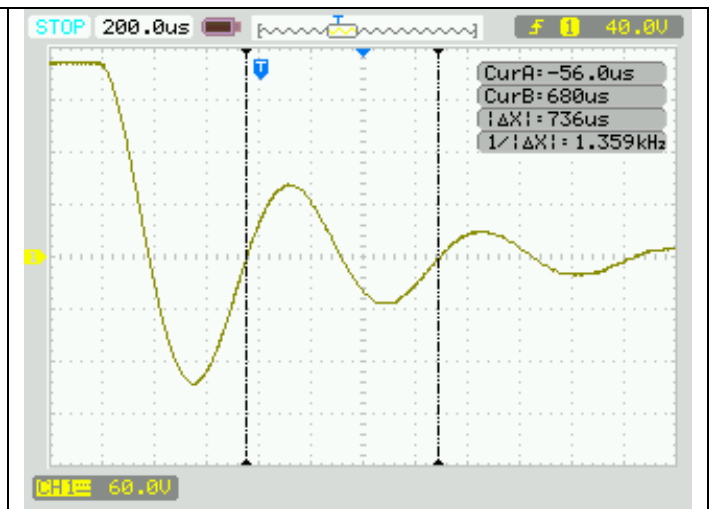


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 Date : 19/01/2015  
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 Drawing : 318711-squelette-QPOLES-V115-revB  
 Revision : A

Identification :  
 Serial N° : second double  
 pancake (GD n°2)

UNI T	REQUI RED	RESULT	Date Initial	ACTION
<b>After moulding (without mandrei) before brazing</b>				
Ring test at 220V (2.17V/turn) and damping coefficient	/	<b>1419</b>	AJ 23/02/15	
Period	μs	<b>736</b>	AJ 23/02/15	
DC resistance value at 20° C (100mA)	mΩ	<b>131.3</b>	AJ 23/02/15	
Inductance at 100hz	mH	<b>8.90</b>	AJ 23/02/15	
Inductance at 400hz	mH	<b>5.65</b>	AJ 23/02/15	
Inductance at 1000hz	mH	<b>4.92</b>	AJ 23/02/15	



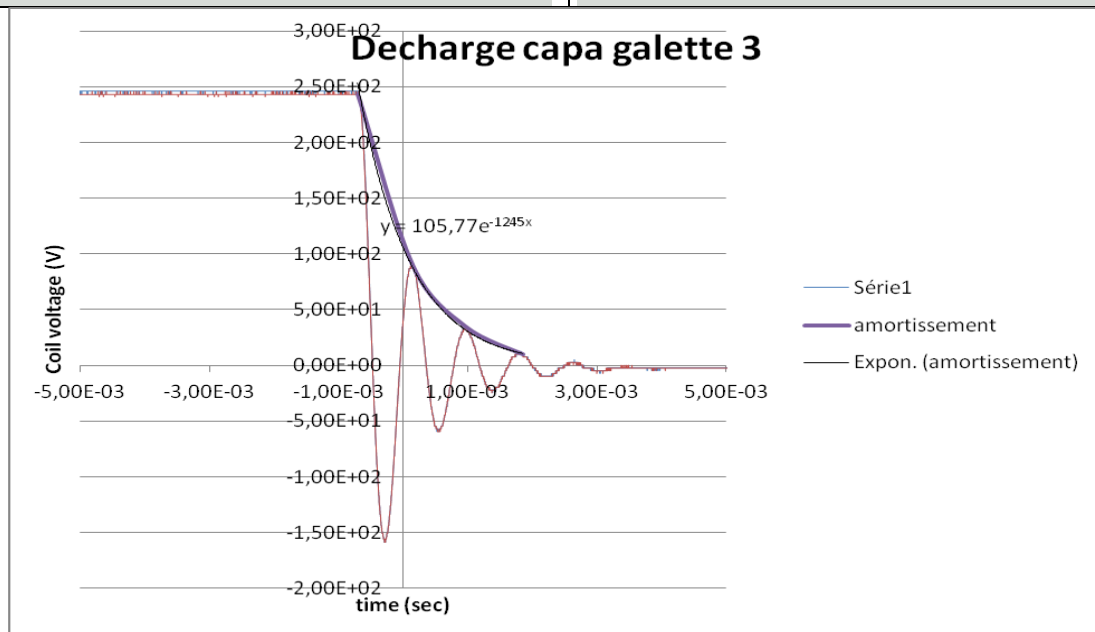
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**Customer :** JLAB  
**Date:** 19/01/2015  
**ΣΦ reference :** 318711  
**Drawing :** 318711-squelette-QPOLES-V115-revB  
**Revision :** A

**Identification :**  
 Serial N° : **third double  
pancake (GD n°3)**

UNI T	REQUI RED	RESULT	Date Initial	ACTION
<b>After moulding (without mandrei) before brazing</b>				
Ring test at 243V (2.17V/turn) and damping coefficient	/	<b>1245</b>	AJ 23/02/15	
Period	μs	<b>840</b>	AJ 23/02/15	
DC resistance value at 20° C (100mA)	mΩ	<b>148.4</b>	AJ 23/02/15	
Inductance at 100hz	mH	<b>11.13</b>	AJ 23/02/15	
Inductance at 400hz	mH	<b>7.13</b>	AJ 23/02/15	
Inductance at 1000hz	mH	<b>6.21</b>	AJ 23/02/15	



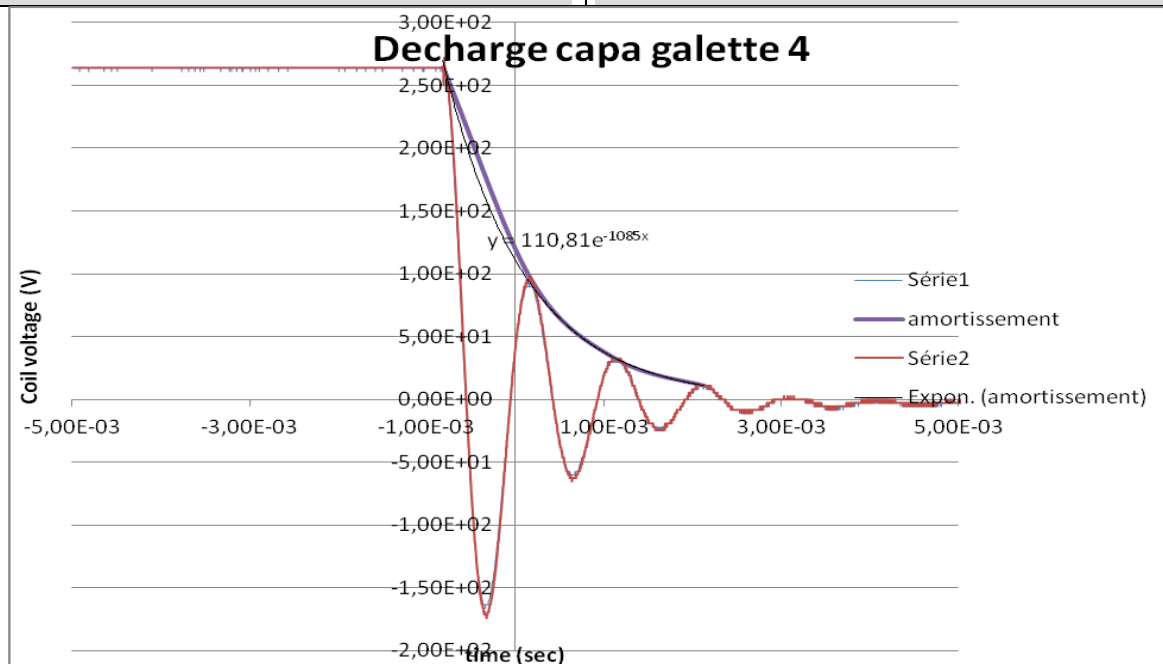
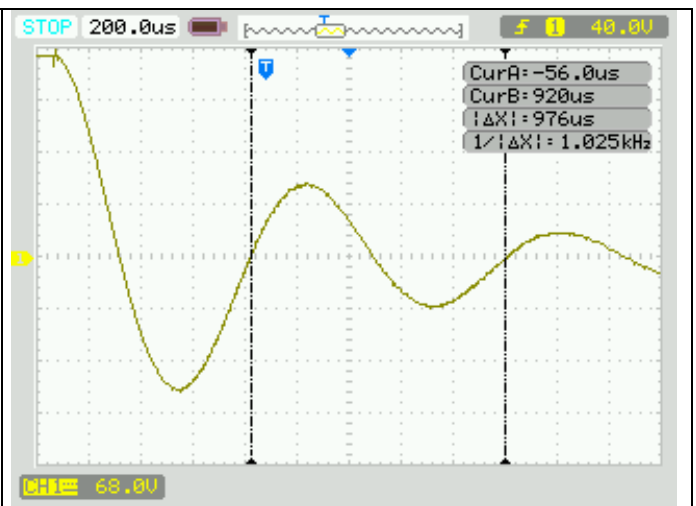
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Customer : JLAB  
 Date : 19/01/2015  
 ΣΦ reference : 318711  
 Drawing : 318711-squelette-QPOLES-V115-revB  
 Revision : A

Identification :  
 Serial N° : fourth double  
 pancake (GD n°4)

UNI T	REQUI RED	RESULT	Date Initial	ACTIO N
<b>After moulding (without mandrei) before brazing</b>				
Ring test at 267V (2.17V/turn) and damping coefficient	/	<b>1085</b>	AJ 23/02/15	
Period	μs	<b>976</b>	AJ 23/02/15	
DC resistance value at 20° C (100mA)	mΩ	<b>163.5</b>	AJ 23/02/15	
Inductance at 100hz	mH	<b>14.87</b>	AJ 23/02/15	
Inductance at 400hz	mH	<b>9.81</b>	AJ 23/02/15	
Inductance at 1000hz	mH	<b>8.44</b>	AJ 23/02/15	



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**Customer :** JLAB  
**Date:** 19/01/2015  
 **$\Sigma\Phi$  reference :** 318711  
**Drawing :** 318711-squelette-QPOLES-V115-revB  
**Revision :** A

	UNIT	REQUIREMENT	RESULT	Date Initial	ACTION
<b>After moulding (without mandrei) before brazing</b>					
Insulation resistance during 1mn at 1500 Vdc between GD n°1 et GD n°2	$\Omega$	$\geq 1.10^6$	<b>115G<math>\Omega</math></b>	AJ 23/02/15	
Insulation resistance during 1mn at 1500 Vdc between GD n°2 et GD n°3	$\Omega$	$\geq 1.10^6$	<b>12G<math>\Omega</math></b>	AJ 23/02/15	
Insulation resistance during 1mn at 1500 Vdc between GD n°3 et GD n°4	$\Omega$	$\geq 1.10^6$	<b>24.9G<math>\Omega</math></b>	AJ 23/02/15	
Dielectric test during 1mn at 1500Vdc between GD n°1 and GD n°2	/	<b>OK</b>	<b>OK</b> I=13.3nA	AJ 23/02/15	
Dielectric test during 1mn at 1500Vdc between GD n°2 and GD n°3	/	<b>OK</b>	<b>OK</b> I=128nA	AJ 23/02/15	
Dielectric test during 1mn at 1500Vdc between GD n°3 and GD n°4	/	<b>OK</b>	<b>OK</b> I=61.7nA	AJ 23/02/15	

	UNIT	REQUIREMENT	RESULT	Date Initial	ACTION
<b>After moulding (without mandrei)</b>					
Insulation resistance during 1mn at 1500 Vdc between GD n°1, GD n°2, GD n°3, GD n°4 and all the spacers	$\Omega$	$\geq 1.10^6$	<b>107G<math>\Omega</math></b>	AJ 23/02/15	
Dielectric test during 1mn at 1500Vdc between GD n°1, GD n°2, GD n°3, GD n°4 and all the spacers	/	<b>OK</b>	<b>OK</b> I=14.3nA	AJ 23/02/15	