TDK

RoHS REACH SVHC-Free Lead Free

Product Portal Search

PFC用扼流圈 动态特性数据

插针端子型

PFC QN系列

PFC3820QN
PFC3831QN

PFC用扼流圈
PFC QN系列

■特点

- ○ PFC QN 系列实现了高功率和小占地面积。
- ○ 额定输入电压对应AC220V。
- ○ PFC输出功率对应800～900W。

■目录

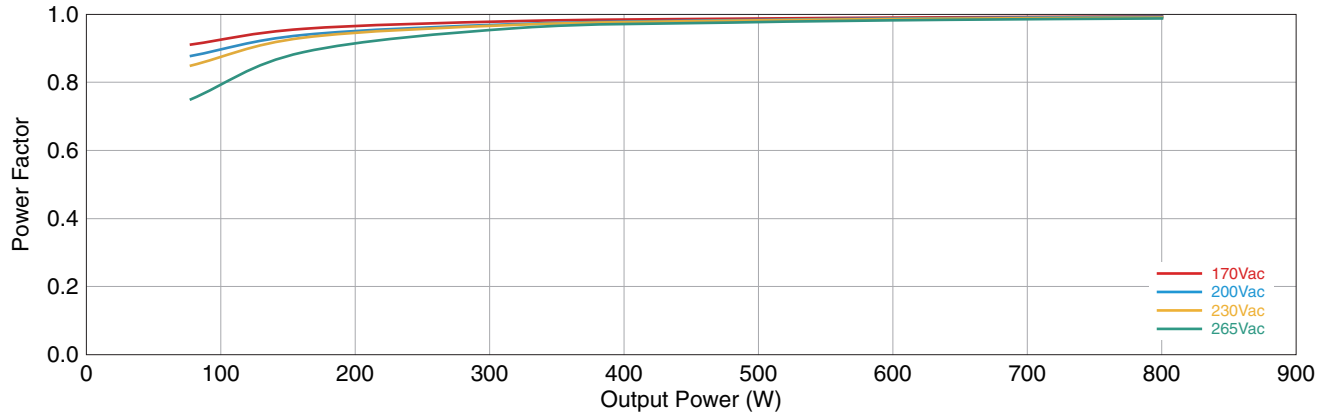
⚠ 为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。
记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。

PFC QN系列 PFC3820QN-900K11B-00

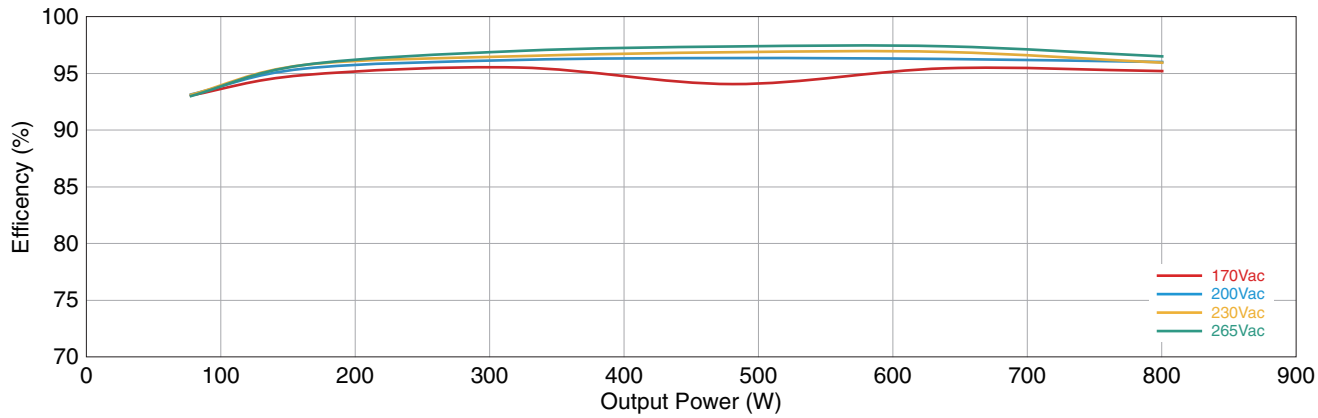
■参考动态特性

Vout = 378Vdc

□**Power Factor**



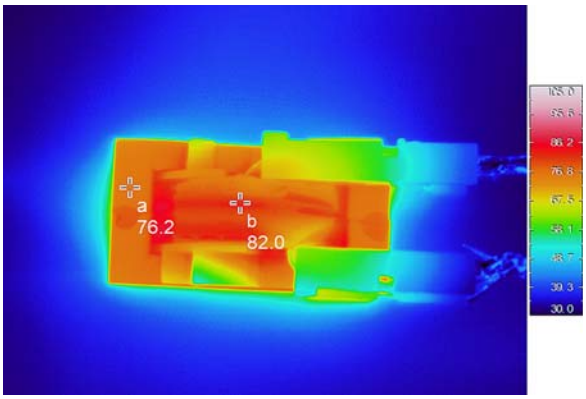
□**Efficency**



■参考温度

Vin = 170Vac, Vout = 378Vdc, Pout = 800W, Room Temp.

a : Core Surface, b : Coil Surface



注意：PFC 扼流圈的温度是在从板上浮动时测量的。

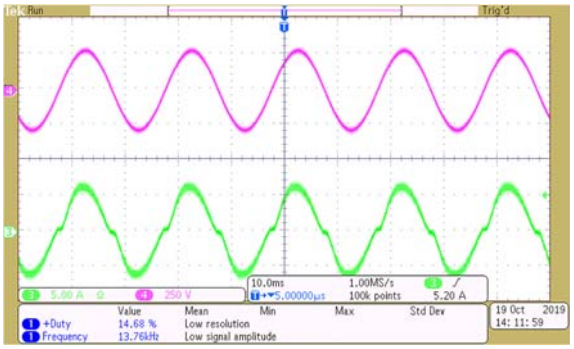
⚠为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。
记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。

PFC QN系列 PFC3820QN-900K11B-00

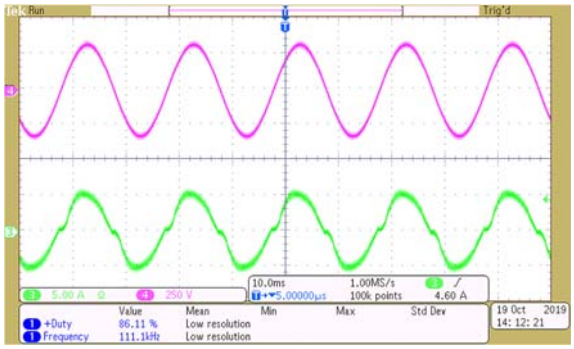
■参考工作波形

□Input Voltage / Current

Vin=200Vac,Po=800W 5A/div 250V/div 10ms/div

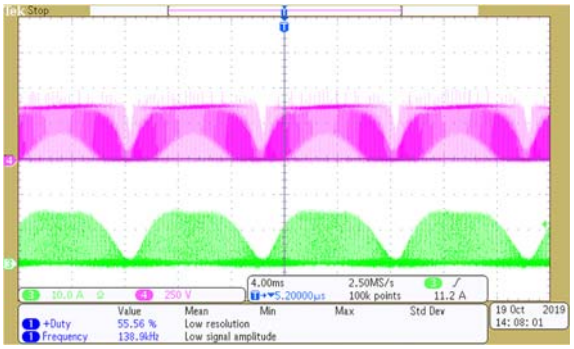


Vin=230Vac,Po=800W 5A/div 250V/div 10ms/div

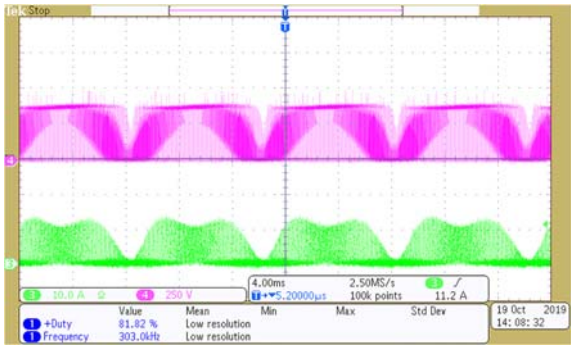


□Vds / IL

Vin=200Vac,Po=800W 10A/div 250V/div 4ms/div

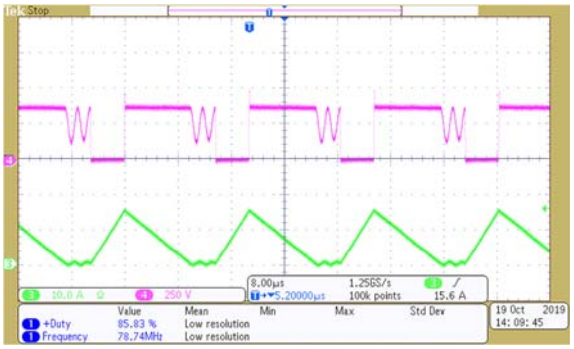


Vin=230Vac,Po=800W 10A/div 250V/div 4ms/div

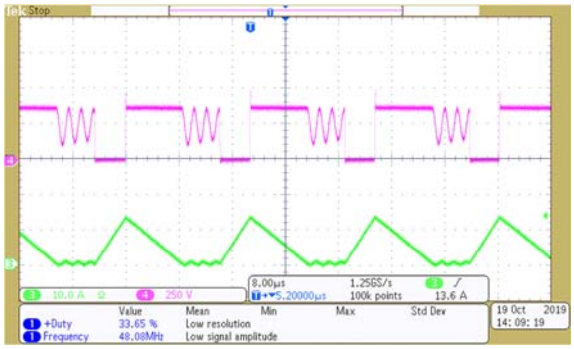


□Vds / Ids

Vin=200Vac,Po=800W 10A/div 250V/div 8μs/div



Vin=230Vac,Po=800W 10A/div 250V/div 8μs/div



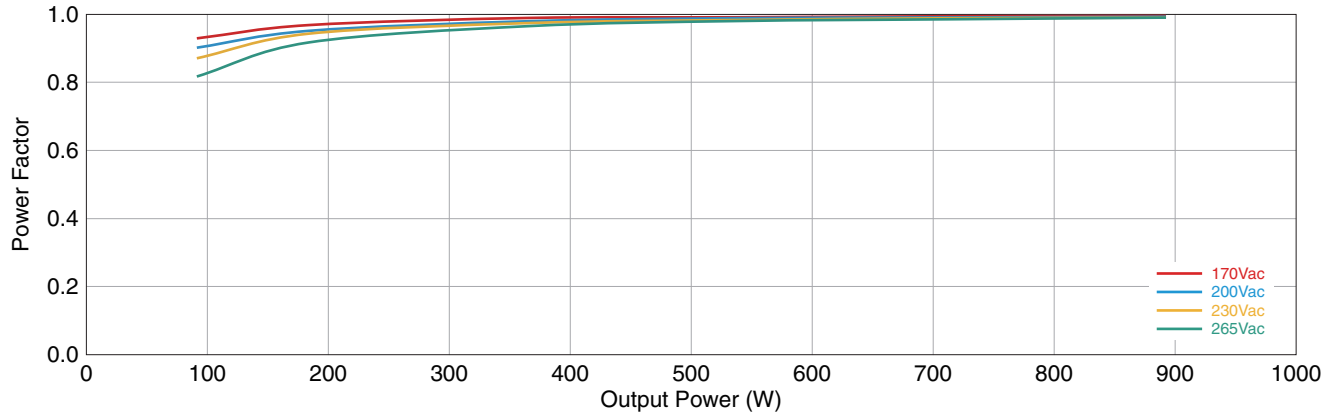
⚠为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。
记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。

PFC QN系列 PFC3831QN-351K08B-00

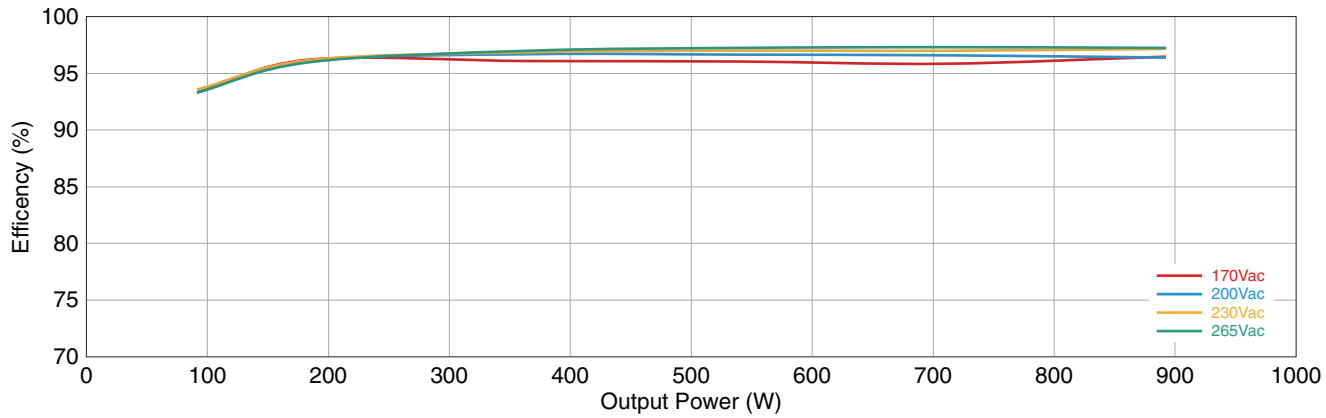
■参考动态特性

Vout = 377Vdc

□**Power Factor**



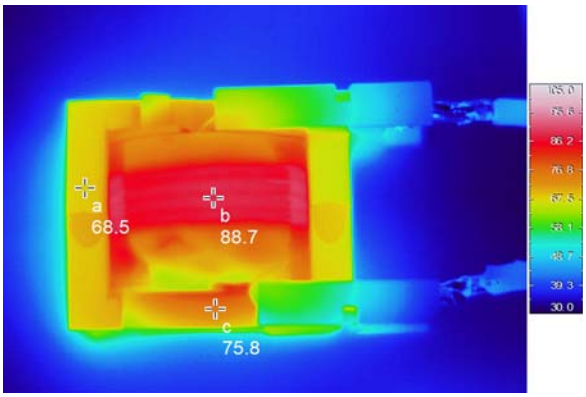
□**Efficency**



■参考温度

Vin = 170Vac, Vout = 377Vdc, Pout = 900W, Room Temp.

a,c : Core Surface, b : Coil Surface



注意：PFC 扼流圈的温度是在从板上浮动时测量的。

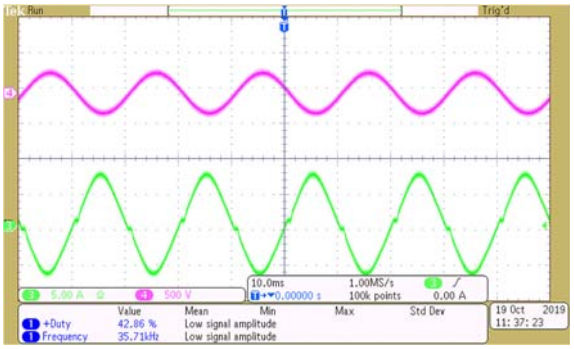
⚠为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。
记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。

PFC QN系列 PFC3831QN-351K08B-00

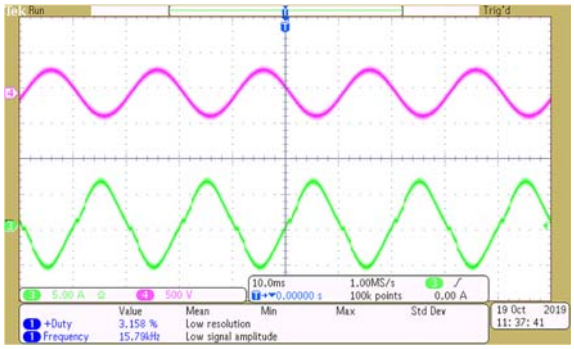
■参考工作波形

□Input Voltage / Current

Vin=200Vac,Po=900W 5A/div 500V/div 10ms/div

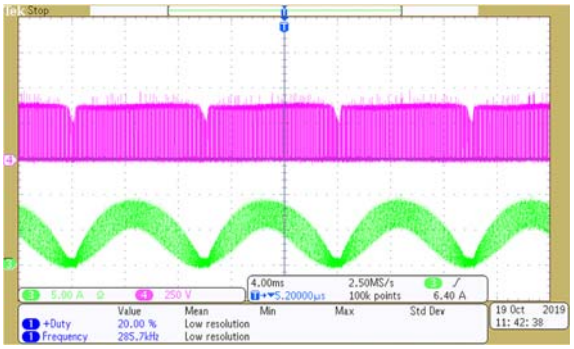


Vin=230Vac,Po=900W 5A/div 500V/div 10ms/div

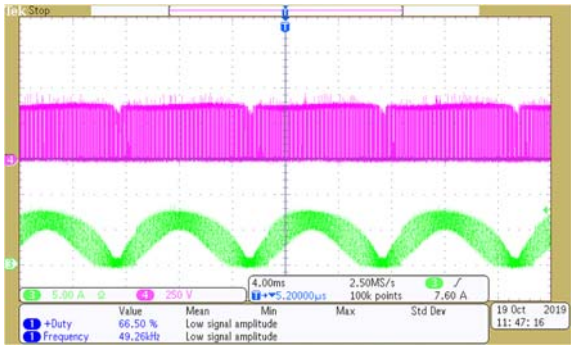


□Vds / IL

Vin=200Vac,Po=900W 5A/div 250V/div 4ms/div

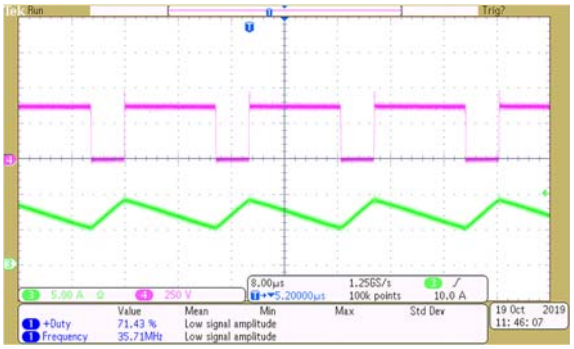


Vin=230Vac,Po=900W 5A/div 250V/div 4ms/div

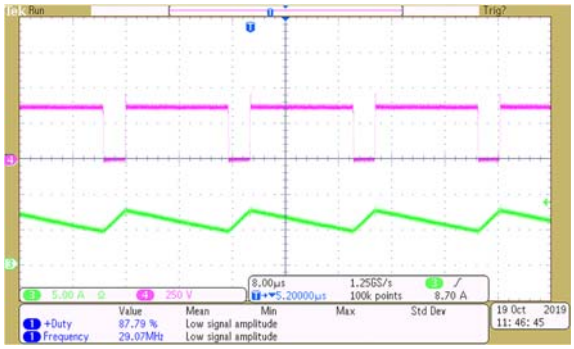


□Vds / Ids

Vin=200Vac,Po=900W 5A/div 250V/div 8μs/div



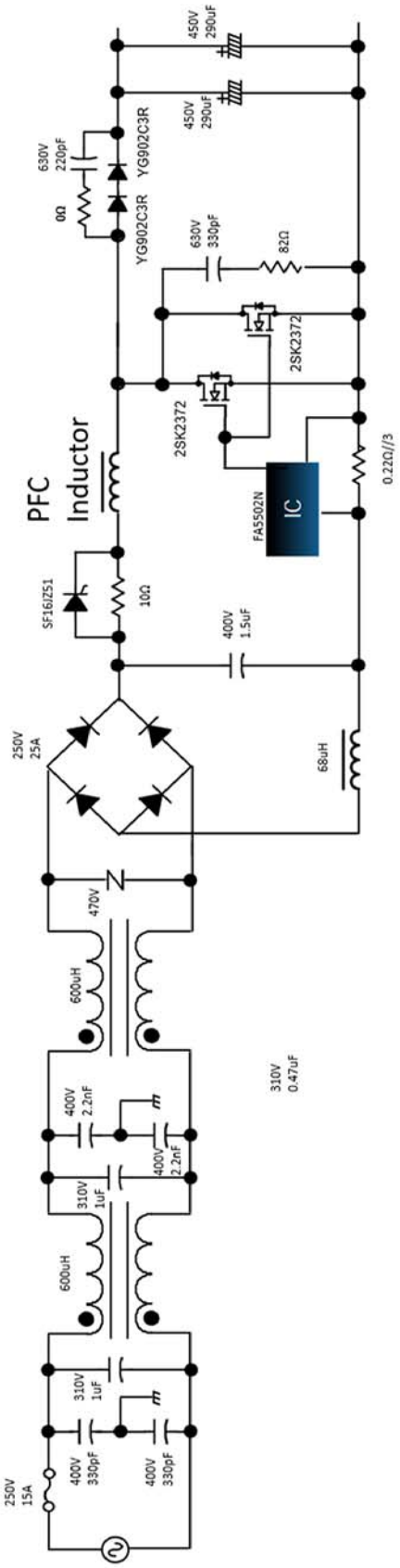
Vin=230Vac,Po=900W 5A/div 250V/div 8μs/div



⚠为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。
记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。

PFC QN系列 PFC 输出功率：800～900W

■参考电路图



⚠为了能够更加正确、安全地使用产品，请务必索取能进一步确认详细特性、规格的采购规格书。
记载内容可能因为产品改良等原因不经预告而更改，恕不另行通知。