



**THE DATASHEET OF
BLF10H6600PSU**



BLF10H6600P; BLF10H6600PS

Power LDMOS transistor

Rev. 3 — 1 September 2015

AMMPELON

Product data sheet

1. Product profile

1.1 General description

A 600 W LDMOS RF power transistor for transmitter applications and industrial applications. The excellent ruggedness of this device makes it ideal for digital and analog transmitter applications.

Table 1. Application information

Test signal	f (MHz)	$P_{L(AV)}$ (W)	$P_{L(M)}$ (W)	G_p (dB)	η_D (%)	IMD3 (dBc)
RF performance in a common source 860 MHz narrowband test circuit						
2-tone, class-AB	$f_1 = 860; f_2 = 860.1$	250	-	20.8	46	-32
pulsed, class-AB	860	-	600	19.8	58	-

1.2 Features and benefits

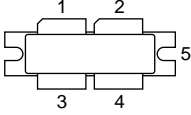
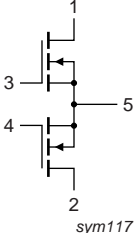
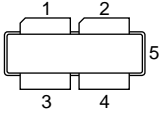
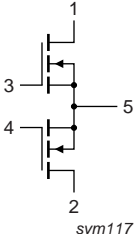
- Excellent ruggedness ($V_{SWR} \geq 40 : 1$ through all phases)
- Optimum thermal behavior and reliability, $R_{th(j-c)} = 0.15$ K/W
- High power gain
- High efficiency
- Designed for broadband operation (400 MHz to 1000 MHz)
- Internal input matching for high gain and optimum broadband operation
- Excellent reliability
- Easy power control
- Compliant to Directive 2002/95/EC, regarding Restriction of Hazardous Substances (RoHS)

1.3 Applications

- Communication transmitter applications
- Industrial applications

2. Pinning information

Table 2. Pinning

Pin	Description	Simplified outline	Graphic symbol
BLF10H6600P (SOT539A)			
1	drain1		 sym117
2	drain2		
3	gate1		
4	gate2		
5	source		
BLF10H6600PS (SOT539B)			
1	drain1		 sym117
2	drain2		
3	gate1		
4	gate2		
5	source		

[1] Connected to flange.

3. Ordering information

Table 3. Ordering information

Type number	Package		
	Name	Description	Version
BLF10H6600P	-	flanged balanced ceramic package; 2 mounting holes; 4 leads	SOT539A
BLF10H6600PS	-	earless flanged balanced ceramic package; 4 leads	SOT539B

4. Limiting values

Table 4. Limiting values

In accordance with the Absolute Maximum Rating System (IEC 60134).

Symbol	Parameter	Conditions	Min	Max	Unit
V_{DS}	drain-source voltage		-	110	V
V_{GS}	gate-source voltage		-0.5	+11	V
T_{stg}	storage temperature		-65	+150	°C
T_j	junction temperature	[1]	-	225	°C

[1] Continuous use at maximum temperature will affect the reliability. For details refer to the on-line MTF calculator.

5. Thermal characteristics

Table 5. Thermal characteristics

Symbol	Parameter	Conditions	Typ	Unit
$R_{th(j-c)}$	thermal resistance from junction to case	$T_{case} = 80\text{ °C}; P_{L(AV)} = 250\text{ W}$	[1] 0.15	K/W

[1] $R_{th(j-c)}$ is measured under RF conditions.

6. Characteristics

Table 6. DC characteristics

$T_j = 25\text{ °C}$; per section unless otherwise specified.

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
$V_{(BR)DSS}$	drain-source breakdown voltage	$V_{GS} = 0\text{ V}; I_D = 2.4\text{ mA}$	[1] 110	-	-	V
$V_{GS(th)}$	gate-source threshold voltage	$V_{DS} = 10\text{ V}; I_D = 240\text{ mA}$	[1] 1.4	1.9	2.4	V
I_{DSS}	drain leakage current	$V_{GS} = 0\text{ V}; V_{DS} = 50\text{ V}$	-	-	2.8	μA
I_{DSX}	drain cut-off current	$V_{GS} = V_{GS(th)} + 3.75\text{ V}; V_{DS} = 10\text{ V}$	-	36	-	A
I_{GSS}	gate leakage current	$V_{GS} = 10\text{ V}; V_{DS} = 0\text{ V}$	-	-	280	nA
$R_{DS(on)}$	drain-source on-state resistance	$V_{GS} = V_{GS(th)} + 3.75\text{ V}; I_D = 8.5\text{ A}$	[1] -	143	-	$\text{m}\Omega$

[1] I_D is the drain current.

Table 7. AC characteristics

$T_j = 25\text{ °C}$; per section unless otherwise specified.

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
C_{iss}	input capacitance	$V_{GS} = 0\text{ V}; V_{DS} = 50\text{ V}; f = 1\text{ MHz}$	[1] -	220	-	pF
C_{oss}	output capacitance	$V_{GS} = 0\text{ V}; V_{DS} = 50\text{ V}; f = 1\text{ MHz}$	-	74	-	pF
C_{rss}	reverse transfer capacitance	$V_{GS} = 0\text{ V}; V_{DS} = 50\text{ V}; f = 1\text{ MHz}$	-	1.2	-	pF

[1] Capacitance values without internal matching.

Table 8. RF characteristics

RF characteristics in Ampleon production narrowband test circuit; $T_{case} = 25\text{ °C}$ unless otherwise specified.

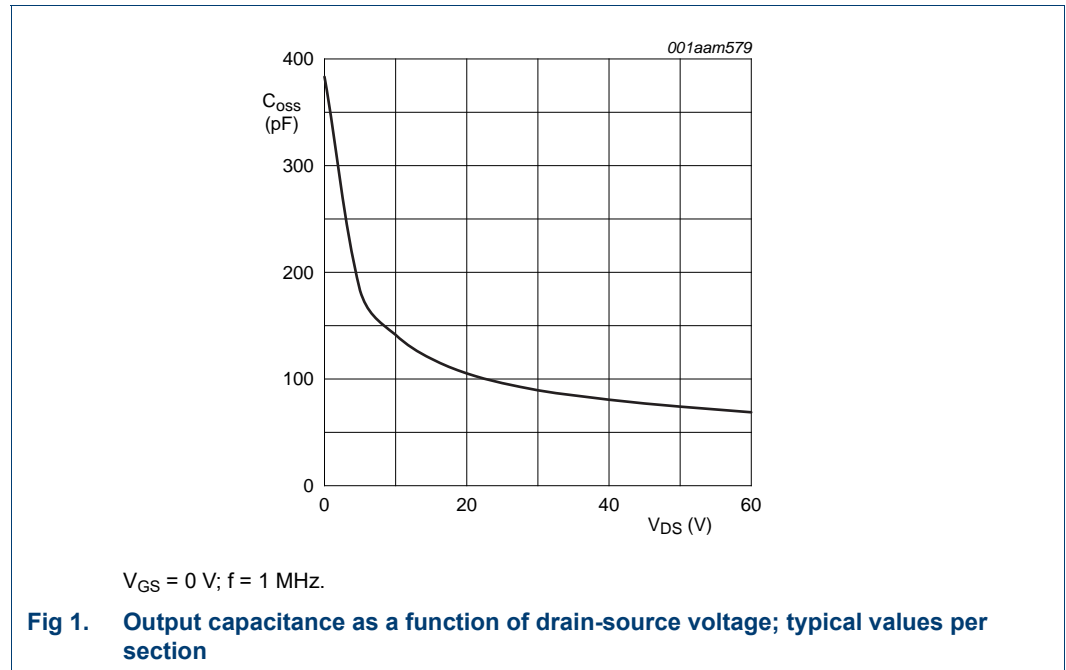
Symbol	Parameter	Conditions	Min	Typ	Max	Unit
2-Tone, class-AB						
V_{DS}	drain-source voltage		-	50	-	V
I_{Dq}	quiescent drain current		[1] -	1.3	-	A
$P_{L(AV)}$	average output power	$f_1 = 860\text{ MHz}; f_2 = 860.1\text{ MHz}$	250	-	-	W
G_p	power gain	$f_1 = 860\text{ MHz}; f_2 = 860.1\text{ MHz}$	19.8	20.8	-	dB
η_D	drain efficiency	$f_1 = 860\text{ MHz}; f_2 = 860.1\text{ MHz}$	42	46	-	%
IMD3	third-order intermodulation distortion	$f_1 = 860\text{ MHz}; f_2 = 860.1\text{ MHz}$	-	-32	-28	dBc

Table 8. RF characteristics ...continued

RF characteristics in Ampleon production narrowband test circuit; $T_{case} = 25\text{ °C}$ unless otherwise specified.

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
Pulsed, class-AB						
V_{DS}	drain-source voltage		-	50	-	V
I_{Dq}	quiescent drain current		[1]	1.3	-	A
$P_{L(M)}$	peak output power	$f = 860\text{ MHz}$	-	600	-	W
G_p	power gain	$f = 860\text{ MHz}$	17.2	19.8	-	dB
η_D	drain efficiency	$f = 860\text{ MHz}$	54	58	-	%
t_p	pulse duration		-	100	-	μs
δ	duty cycle		-	20	-	%

[1] I_{Dq} for total device



7. Test information

7.1 Ruggedness in class-AB operation

The BLF10H6600P and BLF10H6600PS are capable of withstanding a load mismatch corresponding to $V_{SWR} \geq 40 : 1$ through all phases under the following conditions:

$V_{DS} = 50\text{ V}; I_{Dq} = 1.3\text{ A}; P_L = 600\text{ W}$ (pulsed); $f = 860\text{ MHz}.$

7.2 Impedance information

Table 9. Typical push-pull impedance

Simulated Z_i and Z_L device impedance; impedance info at $V_{DS} = 50$ V and $P_{L(AV)} = 600$ W (pulsed CW). See [Figure 2](#) for definition of transistor impedance.

f	Z_i	Z_L
MHz	Ω	Ω
300	0.607 + j0	5.495 + j1.936
325	0.622 – j1.441	5.324 + j2.008
350	0.639 – j1.121	5.151 + j2.065
375	0.658 – j0.826	4.977 + j2.107
400	0.679 – j0.551	4.805 + j2.136
425	0.703 – j0.291	4.634 + j2.153
450	0.73 – j0.044	4.466 + j2.157
475	0.76 + j0.194	4.301 + j2.151
500	0.793 + j0.424	4.14 + j2.134
525	0.83 + j0.648	3.984 + j2.109
550	0.872 + j0.869	3.833 + j2.075
575	0.919 + j1.088	3.687 + j2.033
600	0.972 + j1.305	3.546 + j1.985
625	1.032 + j1.523	3.411 + j1.931
650	1.101 + j1.741	3.281 + j1.871
675	1.179 + j1.963	3.156 + j1.807
700	1.268 + j2.187	3.036 + j1.738
725	1.371 + j2.416	2.922 + j1.666
750	1.49 + j2.651	2.813 + j1.591
775	1.629 + j2.891	2.708 + j1.512
800	1.792 + j3.138	2.609 + j1.432
825	1.984 + j3.39	2.514 + j1.349
850	2.212 + j3.649	2.423 + j1.264
875	2.484 + j3.91	2.336 + j1.178
900	2.812 + j4.17	2.254 + j1.091
925	3.209 + j4.421	2.175 + j1.003
950	3.689 + j4.648	2.1 + j0.913
975	4.27 + j4.829	2.029 + j0.823
1000	4.967 + j4.927	1.96 + j0.733

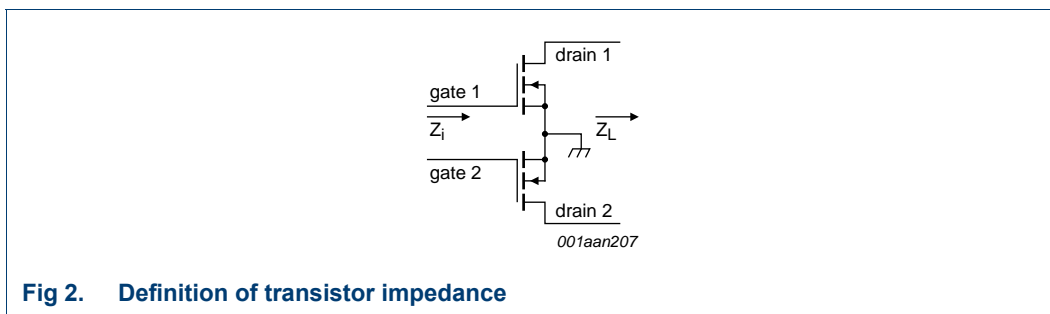


Fig 2. Definition of transistor impedance

7.3 Test circuit information

Table 10. List of components

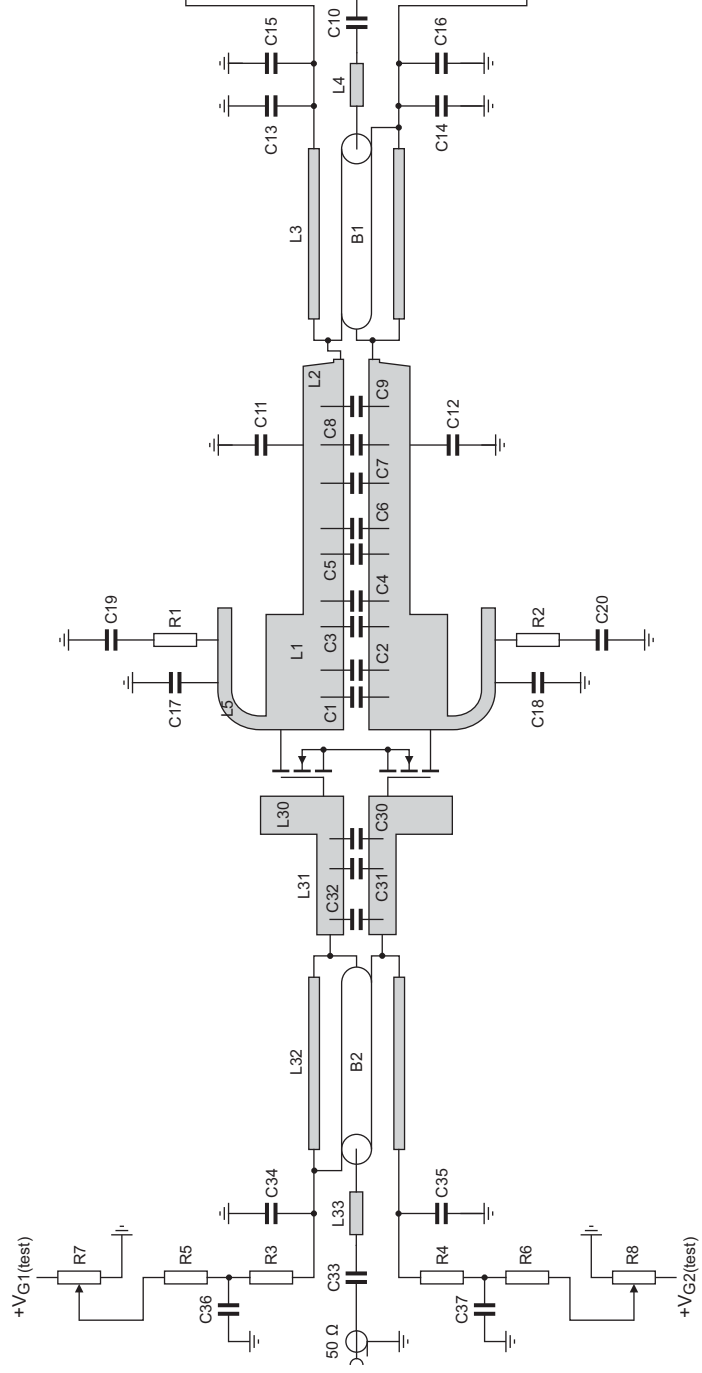
For test circuit, see [Figure 3](#), [Figure 4](#) and [Figure 5](#).

Component	Description	Value	Remarks
B1, B2	semi rigid coax	25 Ω; 49.5 mm	UT-090C-25 (EZ 90-25)
C1	multilayer ceramic chip capacitor	12 pF	[1]
C2, C3, C4, C5, C6	multilayer ceramic chip capacitor	8.2 pF	[1]
C7	multilayer ceramic chip capacitor	6.8 pF	[2]
C8	multilayer ceramic chip capacitor	2.7 pF	[2]
C9	multilayer ceramic chip capacitor	2.2 pF	[2]
C10, C13, C14	multilayer ceramic chip capacitor	100 pF	[3]
C11, C12	multilayer ceramic chip capacitor	10 pF	[2]
C15, C16	multilayer ceramic chip capacitor	4.7 μF, 50 V	Kemet C1210X475K5RAC-TU or capacitor of same quality.
C17, C18, C23, C24	multilayer ceramic chip capacitor	100 pF	[2]
C19, C20	multilayer ceramic chip capacitor	10 μF, 50 V	TDK C570X7R1H106KT000N or capacitor of same quality.
C21, C22	electrolytic capacitor	470 μF; 63 V	
C30	multilayer ceramic chip capacitor	10 pF	[4]
C31	multilayer ceramic chip capacitor	9.1 pF	[4]
C32	multilayer ceramic chip capacitor	3.9 pF	[4]
C33, C34, C35	multilayer ceramic chip capacitor	100 pF	[4]
C36, C37	multilayer ceramic chip capacitor	4.7 μF, 50 V	TDK C4532X7R1E475MT020U or capacitor of same quality.
L1	microstrip	-	[5] (W × L) 15 mm × 13 mm
L2	microstrip	-	[5] (W × L) 5 mm × 26 mm
L3, L32	microstrip	-	[5] (W × L) 2 mm × 49.5 mm
L4	microstrip	-	[5] (W × L) 1.7 mm 3.5 mm
L5	microstrip	-	[5] (W × L) 2 mm × 9.5 mm
L30	microstrip	-	[5] (W × L) 5 mm × 13 mm
L31	microstrip	-	[5] (W × L) 2 mm × 11 mm
L33	microstrip	-	[5] (W × L) 2 mm × 3 mm
R1, R2	wire resistor	10 Ω	

Table 10. List of components ...continued
 For test circuit, see [Figure 3](#), [Figure 4](#) and [Figure 5](#).

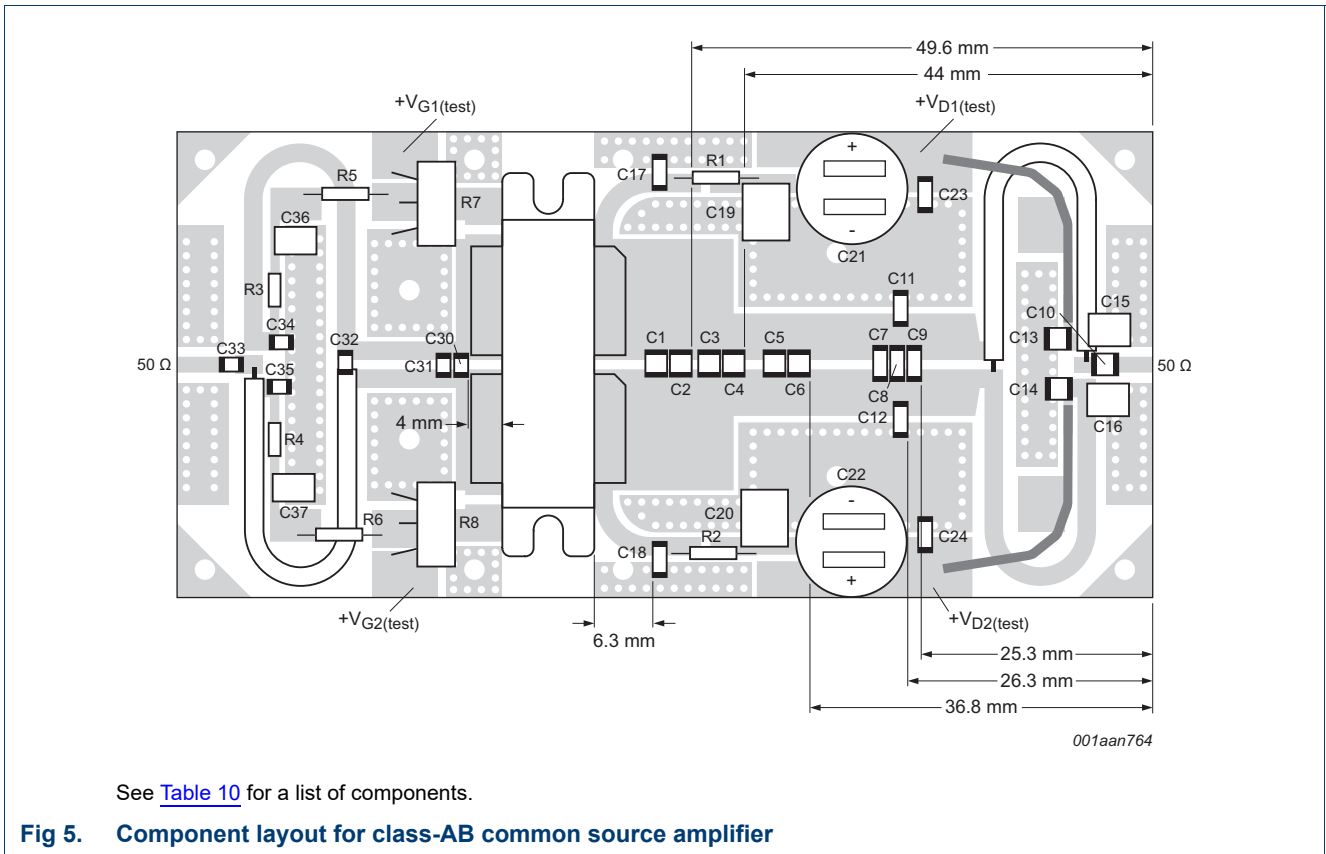
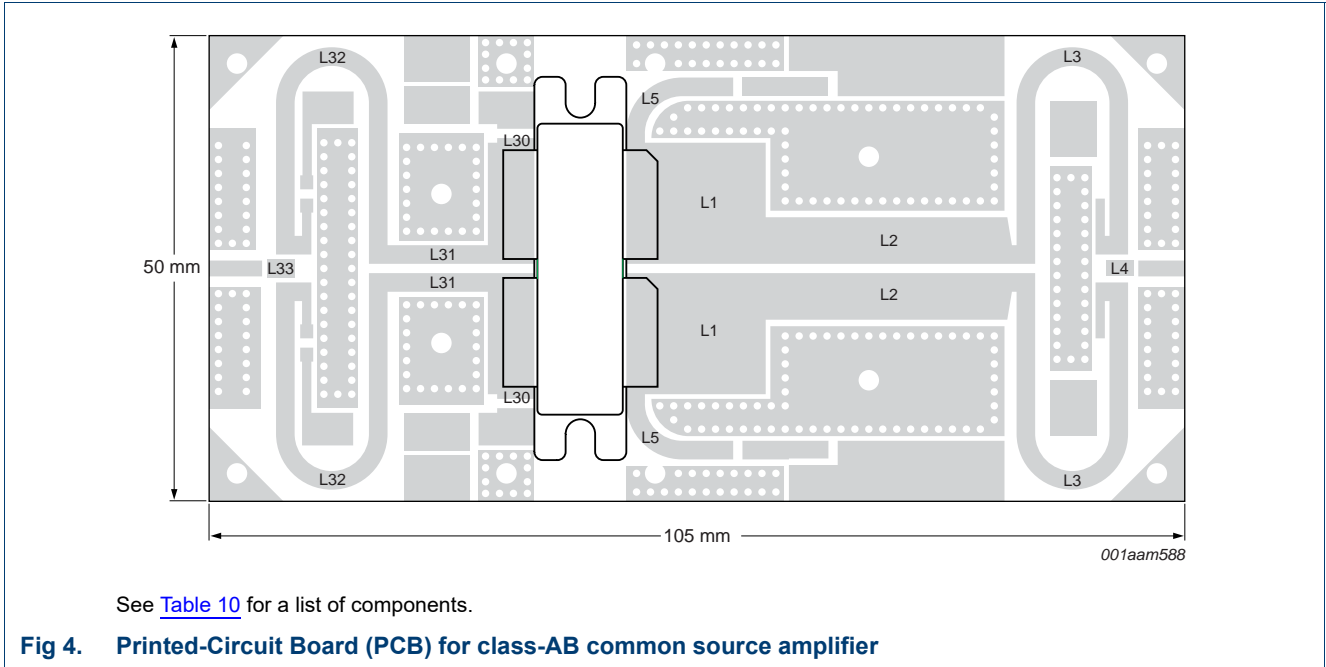
Component	Description	Value	Remarks
R3, R4	SMD resistor	5.6 Ω	0805
R5, R6	wire resistor	100 Ω	
R7, R8	potentiometer	10 kΩ	

- [1] American technical ceramics type 800R or capacitor of same quality.
- [2] American technical ceramics type 800B or capacitor of same quality.
- [3] American technical ceramics type 180R or capacitor of same quality.
- [4] American technical ceramics type 100A or capacitor of same quality.
- [5] Printed-Circuit Board (PCB): Taconic RF35; $\epsilon_r = 3.5$ F/m; height = 0.762 mm; Cu (top/bottom metallization); thickness copper plating = 35 μm.



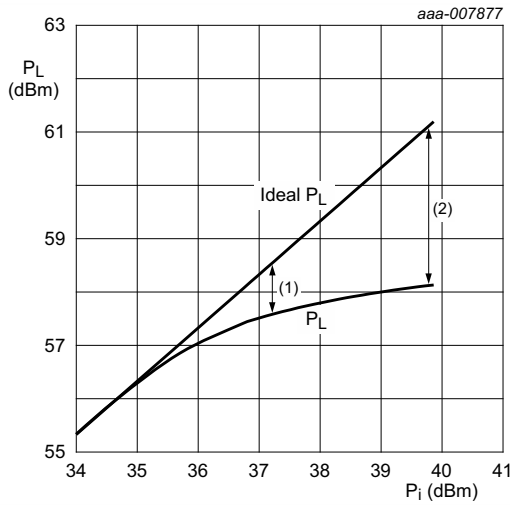
See [Table 10](#) for a list of components.

Fig 3. Class-AB common source broadband amplifier; $V_{D1(test)}$, $V_{D2(test)}$, $V_{G1(test)}$ and $V_{G2(test)}$ are drain and gate test voltages



7.4 Graphical data

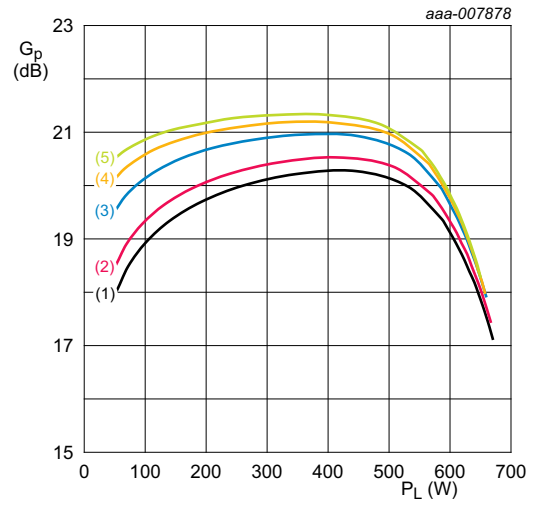
7.4.1 Pulsed



$V_{DS} = 50 \text{ V}$; $I_{Dq} = 1300 \text{ mA}$; $f = 860 \text{ MHz}$; $t_p = 100 \text{ }\mu\text{s}$;
 $\delta = 20 \text{ \%}$.

- (1) $P_{L(1dB)} = 57.6 \text{ dBm}$ (575 W)
- (2) $P_{L(3dB)} = 58.1 \text{ dBm}$ (649 W)

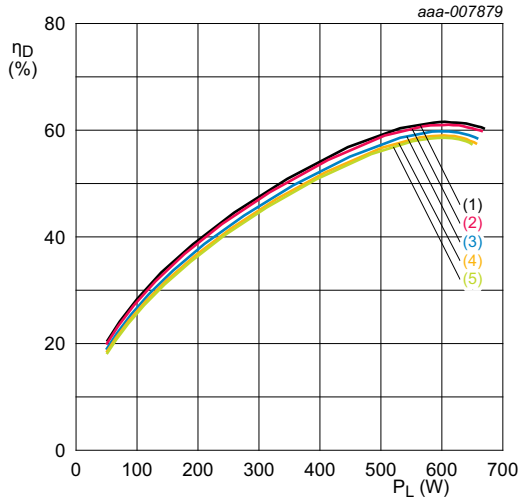
Fig 6. Output power as a function of input power; typical values



$V_{DS} = 50 \text{ V}$; $f = 860 \text{ MHz}$; $t_p = 100 \text{ }\mu\text{s}$; $\delta = 20 \text{ \%}$.

- (1) $I_{Dq} = 100 \text{ mA}$
- (2) $I_{Dq} = 200 \text{ mA}$
- (3) $I_{Dq} = 600 \text{ mA}$
- (4) $I_{Dq} = 1000 \text{ mA}$
- (5) $I_{Dq} = 1300 \text{ mA}$

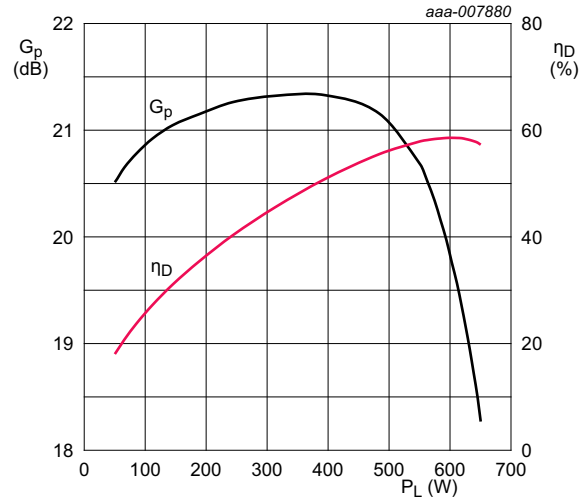
Fig 7. Power gain as a function of output power; typical values



$V_{DS} = 50\text{ V}$; $f = 860\text{ MHz}$; $t_p = 100\text{ }\mu\text{s}$; $\delta = 20\text{ }\%$.

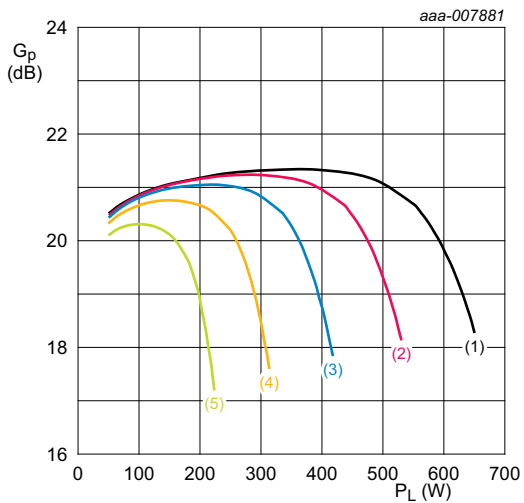
- (1) $I_{Dq} = 100\text{ mA}$
- (2) $I_{Dq} = 200\text{ mA}$
- (3) $I_{Dq} = 600\text{ mA}$
- (4) $I_{Dq} = 1000\text{ mA}$
- (5) $I_{Dq} = 1300\text{ mA}$

Fig 8. Drain efficiency as a function of output power; typical values



$V_{DS} = 50\text{ V}$; $I_{Dq} = 1300\text{ mA}$; $f = 860\text{ MHz}$; $t_p = 100\text{ }\mu\text{s}$; $\delta = 20\text{ }\%$.

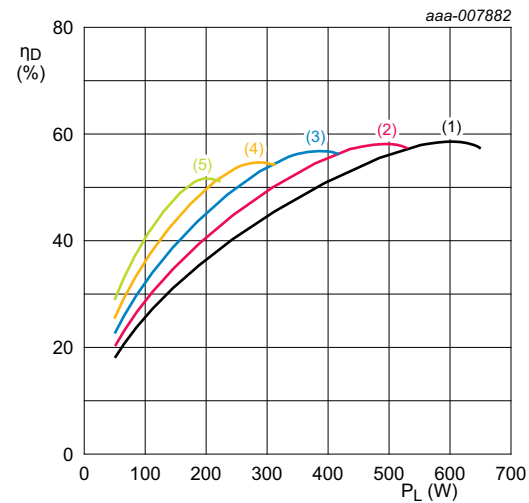
Fig 9. Power gain and drain efficiency as function of output power; typical values



$I_{Dq} = 1300\text{ mA}$; $f = 860\text{ MHz}$; $t_p = 100\text{ }\mu\text{s}$; $\delta = 20\text{ }\%$.

- (1) $V_{DS} = 50\text{ V}$
- (2) $V_{DS} = 45\text{ V}$
- (3) $V_{DS} = 40\text{ V}$
- (4) $V_{DS} = 35\text{ V}$
- (5) $V_{DS} = 30\text{ V}$

Fig 10. Power gain as a function of output power; typical values

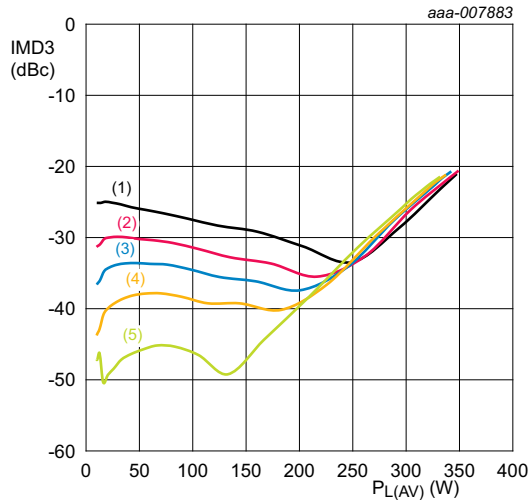


$I_{Dq} = 1300\text{ mA}$; $f = 860\text{ MHz}$; $t_p = 100\text{ }\mu\text{s}$; $\delta = 20\text{ }\%$.

- (1) $V_{DS} = 50\text{ V}$
- (2) $V_{DS} = 45\text{ V}$
- (3) $V_{DS} = 40\text{ V}$
- (4) $V_{DS} = 35\text{ V}$
- (5) $V_{DS} = 30\text{ V}$

Fig 11. Drain efficiency as a function of output power; typical values

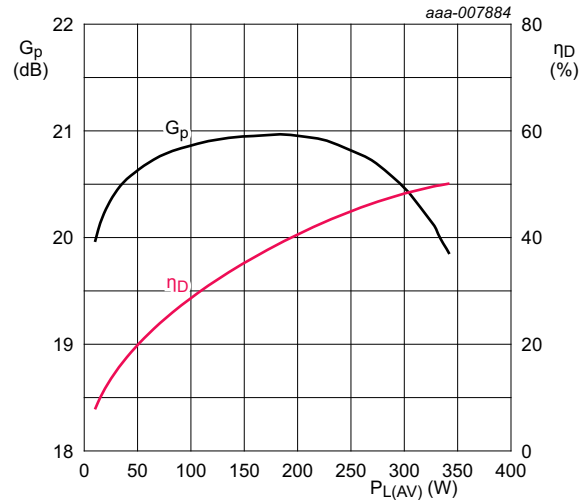
7.4.2 2-Tone CW



$V_{DS} = 50 \text{ V}; f_1 = 860.0 \text{ MHz}; f_2 = 860.1 \text{ MHz}.$

- (1) $I_{Dq} = 600 \text{ mA}$
- (2) $I_{Dq} = 1000 \text{ mA}$
- (3) $I_{Dq} = 1300 \text{ mA}$
- (4) $I_{Dq} = 1600 \text{ mA}$
- (5) $I_{Dq} = 2000 \text{ mA}$

Fig 12. Third-order intermodulation distortion as a function of average output power; typical values



$V_{DS} = 50 \text{ V}; I_{Dq} = 1300 \text{ mA}; f_1 = 860.0 \text{ MHz}; f_2 = 860.1 \text{ MHz}.$

Fig 13. Power gain and drain efficiency as function of average output power; typical values

8. Package outline

Flanged balanced ceramic package; 2 mounting holes; 4 leads

SOT539A

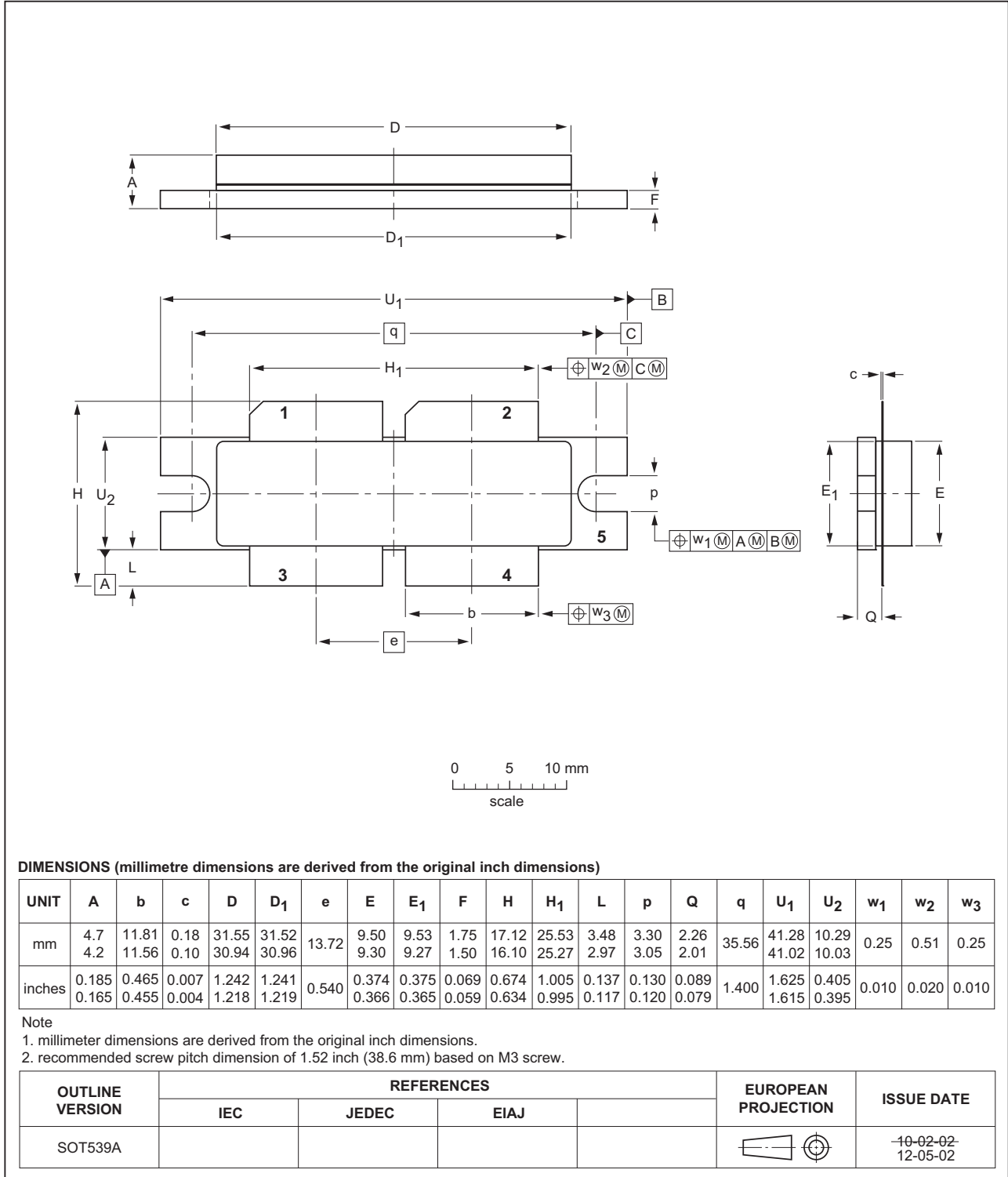


Fig 14. Package outline SOT539A

Earless flanged balanced ceramic package; 4 leads

SOT539B

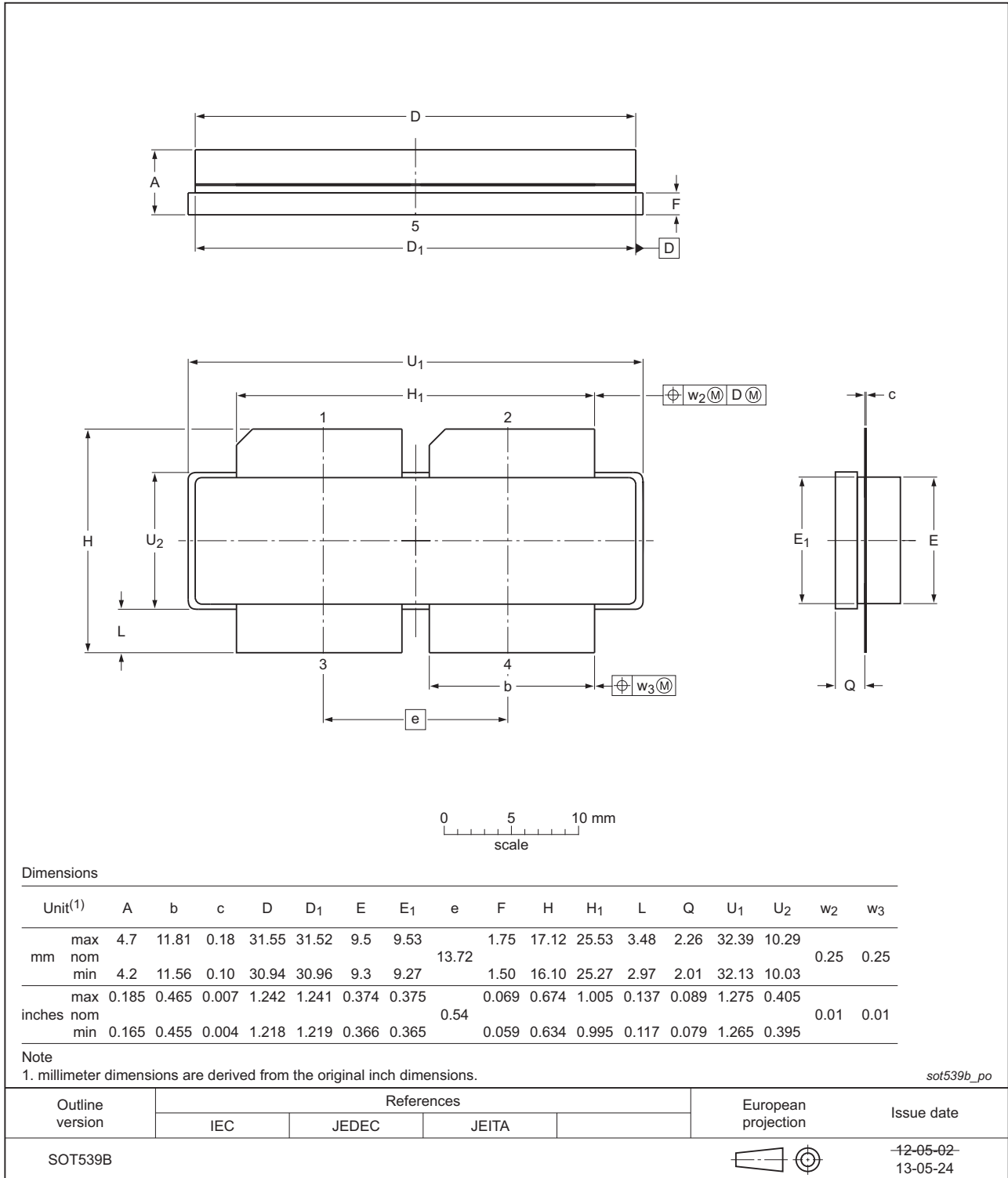


Fig 15. Package outline SOT539B

9. Handling information

CAUTION



This device is sensitive to ElectroStatic Discharge (ESD). Observe precautions for handling electrostatic sensitive devices.

Such precautions are described in the *ANSI/ESD S20.20*, *IEC/ST 61340-5*, *JESD625-A* or equivalent standards.

10. Abbreviations

Table 11. Abbreviations

Acronym	Description
CCDF	Complementary Cumulative Distribution Function
CW	Continuous Wave
LDMOS	Laterally Diffused Metal-Oxide Semiconductor
SMD	Surface Mounted Device
VSWR	Voltage Standing-Wave Ratio

11. Revision history

Table 12. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
BLF10H6600P_BLF10H6600PS#3	20150901	Product data sheet	-	BLF10H6600P_BLF10H6600PS v.2
Modifications:	<ul style="list-style-type: none"> The format of this document has been redesigned to comply with the new identity guidelines of Ampleon. Legal texts have been adapted to the new company name where appropriate. 			
BLF10H6600P_BLF10H6600PS v.2	20130620	Product data sheet	-	BLF0510H6600P v.1
BLF0510H6600P v.1	20121009	Objective data sheet	-	-

12. Legal information

12.1 Data sheet status

Document status ^{[1][2]}	Product status ^[3]	Definition
Objective [short] data sheet	Development	This document contains data from the objective specification for product development.
Preliminary [short] data sheet	Qualification	This document contains data from the preliminary specification.
Product [short] data sheet	Production	This document contains the product specification.

[1] Please consult the most recently issued document before initiating or completing a design.

[2] The term 'short data sheet' is explained in section "Definitions".

[3] The product status of device(s) described in this document may have changed since this document was published and may differ in case of multiple devices. The latest product status information is available on the Internet at URL <http://www.ampleon.com>.

12.2 Definitions

Draft — The document is a draft version only. The content is still under internal review and subject to formal approval, which may result in modifications or additions. Ampleon does not give any representations or warranties as to the accuracy or completeness of information included herein and shall have no liability for the consequences of use of such information.

Short data sheet — A short data sheet is an extract from a full data sheet with the same product type number(s) and title. A short data sheet is intended for quick reference only and should not be relied upon to contain detailed and full information. For detailed and full information see the relevant full data sheet, which is available on request via the local Ampleon sales office. In case of any inconsistency or conflict with the short data sheet, the full data sheet shall prevail.

Product specification — The information and data provided in a Product data sheet shall define the specification of the product as agreed between Ampleon and its customer, unless Ampleon and customer have explicitly agreed otherwise in writing. In no event however, shall an agreement be valid in which the Ampleon product is deemed to offer functions and qualities beyond those described in the Product data sheet.

12.3 Disclaimers

Limited warranty and liability — Information in this document is believed to be accurate and reliable. However, Ampleon does not give any representations or warranties, expressed or implied, as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. Ampleon takes no responsibility for the content in this document if provided by an information source outside of Ampleon.

In no event shall Ampleon be liable for any indirect, incidental, punitive, special or consequential damages (including - without limitation - lost profits, lost savings, business interruption, costs related to the removal or replacement of any products or rework charges) whether or not such damages are based on tort (including negligence), warranty, breach of contract or any other legal theory.

Notwithstanding any damages that customer might incur for any reason whatsoever, Ampleon' aggregate and cumulative liability towards customer for the products described herein shall be limited in accordance with the *Terms and conditions of commercial sale* of Ampleon.

Right to make changes — Ampleon reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.

Suitability for use — Ampleon products are not designed, authorized or warranted to be suitable for use in life support, life-critical or safety-critical systems or equipment, nor in applications where failure or malfunction of an

Ampleon product can reasonably be expected to result in personal injury, death or severe property or environmental damage. Ampleon and its suppliers accept no liability for inclusion and/or use of Ampleon products in such equipment or applications and therefore such inclusion and/or use is at the customer's own risk.

Applications — Applications that are described herein for any of these products are for illustrative purposes only. Ampleon makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

Customers are responsible for the design and operation of their applications and products using Ampleon products, and Ampleon accepts no liability for any assistance with applications or customer product design. It is customer's sole responsibility to determine whether the Ampleon product is suitable and fit for the customer's applications and products planned, as well as for the planned application and use of customer's third party customer(s). Customers should provide appropriate design and operating safeguards to minimize the risks associated with their applications and products.

Ampleon does not accept any liability related to any default, damage, costs or problem which is based on any weakness or default in the customer's applications or products, or the application or use by customer's third party customer(s). Customer is responsible for doing all necessary testing for the customer's applications and products using Ampleon products in order to avoid a default of the applications and the products or of the application or use by customer's third party customer(s). Ampleon does not accept any liability in this respect.

Limiting values — Stress above one or more limiting values (as defined in the Absolute Maximum Ratings System of IEC 60134) will cause permanent damage to the device. Limiting values are stress ratings only and (proper) operation of the device at these or any other conditions above those given in the Recommended operating conditions section (if present) or the Characteristics sections of this document is not warranted. Constant or repeated exposure to limiting values will permanently and irreversibly affect the quality and reliability of the device.

Terms and conditions of commercial sale — Ampleon products are sold subject to the general terms and conditions of commercial sale, as published at <http://www.ampleon.com/terms>, unless otherwise agreed in a valid written individual agreement. In case an individual agreement is concluded only the terms and conditions of the respective agreement shall apply. Ampleon hereby expressly objects to applying the customer's general terms and conditions with regard to the purchase of Ampleon products by customer.

No offer to sell or license — Nothing in this document may be interpreted or construed as an offer to sell products that is open for acceptance or the grant, conveyance or implication of any license under any copyrights, patents or other industrial or intellectual property rights.

Export control — This document as well as the item(s) described herein may be subject to export control regulations. Export might require a prior authorization from competent authorities.

Non-automotive qualified products — Unless this data sheet expressly states that this specific Ampleon product is automotive qualified, the product is not suitable for automotive use. It is neither qualified nor tested in accordance with automotive testing or application requirements. Ampleon accepts no liability for inclusion and/or use of non-automotive qualified products in automotive equipment or applications.

In the event that customer uses the product for design-in and use in automotive applications to automotive specifications and standards, customer (a) shall use the product without Ampleon' warranty of the product for such automotive applications, use and specifications, and (b) whenever customer uses the product for automotive applications beyond Ampleon' specifications such use shall be solely at customer's own risk, and (c) customer fully indemnifies Ampleon for any liability, damages or failed product claims resulting from customer design and use of the product for automotive applications beyond Ampleon' standard warranty and Ampleon' product specifications.

Translations — A non-English (translated) version of a document is for reference only. The English version shall prevail in case of any discrepancy between the translated and English versions.

13. Contact information

For more information, please visit:
<http://www.ampleon.com>

12.4 Trademarks

Notice: All referenced brands, product names, service names and trademarks are the property of their respective owners.

Any reference or use of any 'NXP' trademark in this document or in or on the surface of Ampleon products does not result in any claim, liability or entitlement vis-à-vis the owner of this trademark. Ampleon is no longer part of the NXP group of companies and any reference to or use of the 'NXP' trademarks will be replaced by reference to or use of Ampleon's own Any reference or use of any 'NXP' trademark in this document or in or on the surface of Ampleon products does not result in any claim, liability or entitlement vis-à-vis the owner of this trademark. Ampleon is no longer part of the NXP group of companies and any reference to or use of the 'NXP' trademarks will be replaced by reference to or use of Ampleon's own trademarks.

For sales office addresses, please visit:
<http://www.ampleon.com/sales>

14. Contents

1 **Product profile** 1

1.1 General description 1

1.2 Features and benefits 1

1.3 Applications 1

2 **Pinning information** 2

3 **Ordering information** 2

4 **Limiting values** 2

5 **Thermal characteristics** 3

6 **Characteristics** 3

7 **Test information** 4

7.1 Ruggedness in class-AB operation 4

7.2 Impedance information 5

7.3 Test circuit information 6

7.4 Graphical data 10

7.4.1 Pulsed 10

7.4.2 2-Tone CW 12

8 **Package outline** 13

9 **Handling information** 15

10 **Abbreviations** 15

11 **Revision history** 15

12 **Legal information** 16

12.1 Data sheet status 16

12.2 Definitions 16

12.3 Disclaimers 16

12.4 Trademarks 17

13 **Contact information** 17

14 **Contents** 18

Please be aware that important notices concerning this document and the product(s) described herein, have been included in section 'Legal information'.

© Ampleon The Netherlands B.V. 2015. All rights reserved.



For more information, please visit: <http://www.ampleon.com>
 For sales office addresses, please visit: <http://www.ampleon.com/sales>

Date of release: 1 September 2015


Document identifier: BLF10H6600P_BLF10H6600PS#3

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View BLF10H6600PSU on WIN SOURCE](#)
-  [Ampleon USA Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management