



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



BLF8G20LS-400PV; BLF8G20LS-400PGV

Power LDMOS transistor

Rev. 5 — 1 September 2015

AMPLEON

Product data sheet

1. Product profile

1.1 General description

400 W LDMOS power transistor with improved video bandwidth for base station applications at frequencies from 1805 MHz to 1995 MHz.

Table 1. Typical performance

Typical RF performance at $T_{case} = 25\text{ }^{\circ}\text{C}$ in a common source class-AB production test circuit, tested on straight lead device.

Test signal	f (MHz)	I_{Dq} (mA)	V_{DS} (V)	$P_{L(AV)}$ (W)	G_p (dB)	η_D (%)	ACPR _{5M} (dBc)
2-carrier W-CDMA	1805 to 1995	3400	28	95	19	28	-33 [1]

[1] Test signal: 3GPP test model 1; 64 DPCH; PAR = 7.5 dB at 0.01 % probability on CCDF; carrier spacing = 5 MHz; $f_1 = 1807.5\text{ MHz}$; $f_2 = 1812.5\text{ MHz}$; $f_3 = 1872.5\text{ MHz}$; $f_4 = 1877.5\text{ MHz}$.

1.2 Features and benefits

- Decoupling leads to enable improved Video BandWidth (VBW) (120 MHz typical)
- High efficiency
- Low thermal resistance providing excellent thermal stability
- Designed for broadband operation
- Lower output capacitance for improved performance in Doherty applications
- Designed for low memory effects providing excellent pre-distortability
- Internally matched for ease of use
- Integrated ESD protection
- Design optimized for gull-wing
- Excellent ruggedness
- Compliant to Directive 2002/95/EC, regarding Restriction of Hazardous Substances (RoHS)

1.3 Applications

- RF power amplifiers for base stations and multi carrier applications in the 1805 MHz to 1995 MHz frequency range

2. Pinning information

Table 2. Pinning

Pin	Description	Simplified outline	Graphic symbol
BLF8G20LS-400PV (SOT1242B)			
1	drain1		
2	drain2		
3	gate1		
4	gate2		
5	source [1]		
6	decoupling1		
7	decoupling2		
8	n.c.		
9	n.c.		
BLF8G20LS-400PGV (SOT1242C)			
1	drain1		
2	drain2		
3	gate1		
4	gate2		
5	source [1]		
6	decoupling1		
7	decoupling2		
8	n.c.		
9	n.c.		

[1] Connected to flange.

3. Ordering information

Table 3. Ordering information

Type number	Package		
	Name	Description	Version
BLF8G20LS-400PV	-	earless flanged ceramic package; 8 leads	SOT1242B
BLF8G20LS-400PGV	-	earless flanged ceramic package; 8 leads	SOT1242C

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		-	65	V
V_{GS}	gate-source voltage		-0.5	+13	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	$T_{case} = 80\text{ °C}; P_L = 80\text{ W}$	0.23	K/W

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	$V_{GS} = 0\text{ V}; I_D = 3.0\text{ mA}$	65	-	-	V
$V_{GS(th)}$	gate-source threshold voltage	$V_{DS} = 10\text{ V}; I_D = 300\text{ mA}$	1.5	1.9	2.3	V
I_{DSS}	drain leakage current	$V_{GS} = 0\text{ V}; V_{DS} = 28\text{ V}$	-	-	3.0	μA
I_{DSX}	drain cut-off current	$V_{GS} = V_{GS(th)} + 3.75\text{ V}; V_{DS} = 10\text{ V}$		51.5	-	A
I_{GSS}	gate leakage current	$V_{GS} = 11\text{ V}; V_{DS} = 0\text{ V}$	-	-	300	nA
g_{fs}	forward transconductance	$V_{DS} = 10\text{ V}; I_D = 15\text{ A}$	-	20.6	-	S
$R_{DS(on)}$	drain-source on-state resistance	$V_{GS} = V_{GS(th)} + 3.75\text{ V}; I_D = 10.5\text{ A}$	-	0.055	-	Ω

Table 7. RF characteristics

Test signal: 2-carrier W-CDMA; PAR = 7.5 dB at 0.01 % probability on the CCDF; 3GPP test model 1; 1-64 DPCH; $f_1 = 1807.5\text{ MHz}; f_2 = 1812.5\text{ MHz}; f_3 = 1872.5\text{ MHz}; f_4 = 1877.5\text{ MHz}$; RF performance at $V_{DS} = 28\text{ V}; I_{DQ} = 3400\text{ mA}; T_{case} = 25\text{ °C}$; unless otherwise specified; in a class-AB production test circuit, tested on straight lead device.

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
G_p	power gain	$P_{L(AV)} = 95\text{ W}$	17.8	19	-	dB
RL_{in}	input return loss	$P_{L(AV)} = 95\text{ W}$	-	-12	-6	dB
η_D	drain efficiency	$P_{L(AV)} = 95\text{ W}$	24	28	-	%
$ACPR_{5M}$	adjacent channel power ratio (5 MHz)	$P_{L(AV)} = 95\text{ W}$	-	-33	-28	dBc

7. Test information

7.1 Ruggedness in class-AB operation

The BLF8G20LS-400PV and BLF8G20LS-400PGV are capable of withstanding a load mismatch corresponding to VSWR = 10 : 1 through all phases under the following conditions: $V_{DS} = 28\text{ V}$; $I_{DQ} = 3300\text{ mA}$; 2-carrier W-CDMA signal; $P_L = 200\text{ W}$; $f_c = 1800\text{ MHz}$; 5 MHz spacing, 46 % clipping.

7.2 Impedance information

Table 8. Typical impedance for the top-half of the push-pull package

Measured load-pull data; $I_{DQ} = 1800\text{ mA}$; $V_{DS} = 28\text{ V}$; $T_{case} = 25\text{ °C}$, water cooled.

f (MHz)	Z_S ^[1] (Ω)	Z_L ^[1] (Ω)
BLF8G20LS-400PV (straight lead)		
1800	4.1 – j4.66	4.1 – j4.5
1840	5.2 – j3.6	4.4 – j4.4
1880	4.6 – j1.45	4.85 – j4.25
1930	2.8 – j0.3	4.5 – j4.3
1960	2.1 – j0.5	5.5 – j3.5
1990	1.56 – j0.6	5.5 – j3.4
BLF8G20LS-400PGV (gull-wing)		
1800	3.7 – j7.6	4.2 – j6.8
1840	4.34 – j6.1	4.4 – j6.7
1880	4.75 – j5.2	4 – j6.4
1930	3.17 – j3.4	4.6 – j6.5
1960	2 – j3.05	5.8 – j5.5
1990	2.5 – j2.6	5.8 – j5.7

[1] Z_S and Z_L defined in [Figure 1](#).

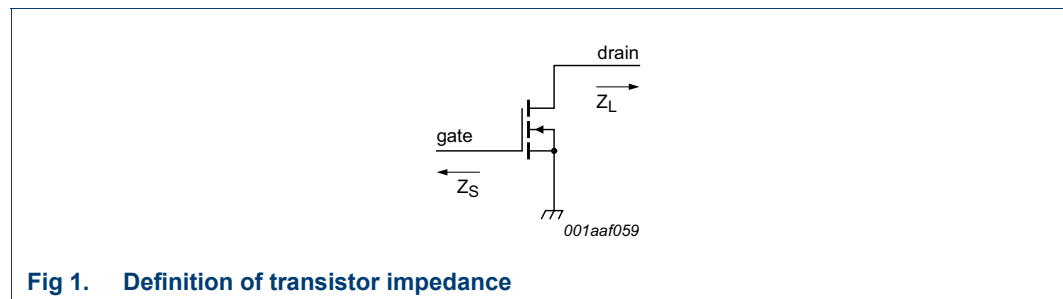
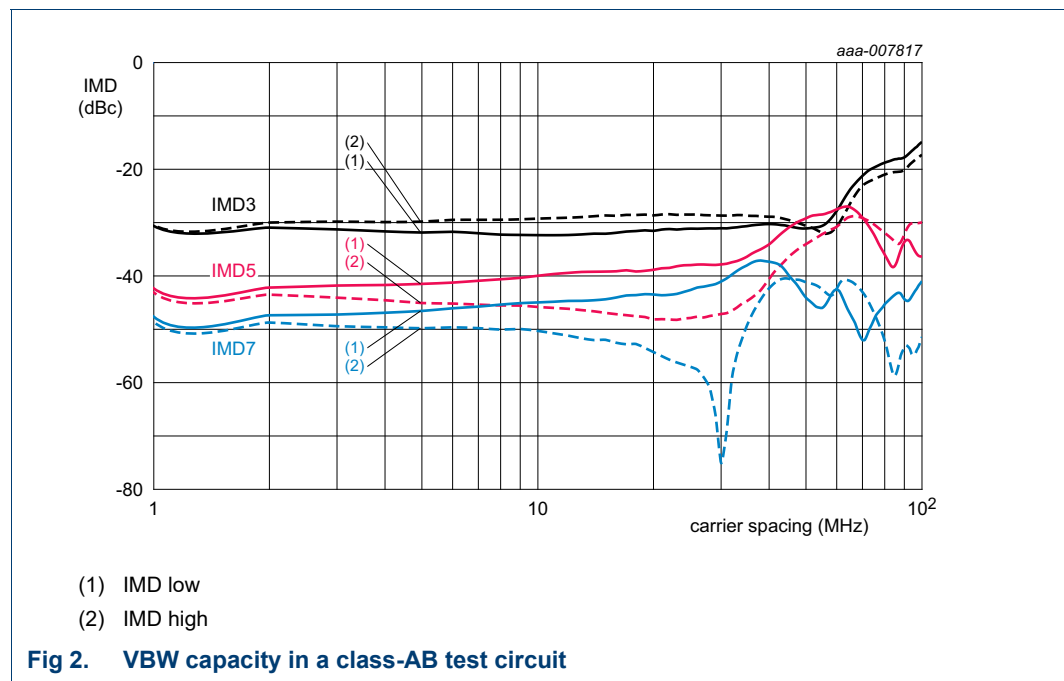


Fig 1. Definition of transistor impedance

7.3 VBW in class-AB operation

The BLF8G20LS-400PV and BLF8G20LS-400PGV have a video bandwidth of 120 MHz (typical) when measured in a class-AB test circuit operating in the 1800 MHz to 1880 MHz frequency band for $V_{DS} = 28\text{ V}$ and $I_{Dq} = 3.3\text{ A}$, where the VBW is defined as the location of the resonance in the base-band impedance measurement obtained using a low-frequency probe.

The VBW measurement based on the 2-tone IMD test as a function of carrier spacing is shown below.



7.4 Test circuit

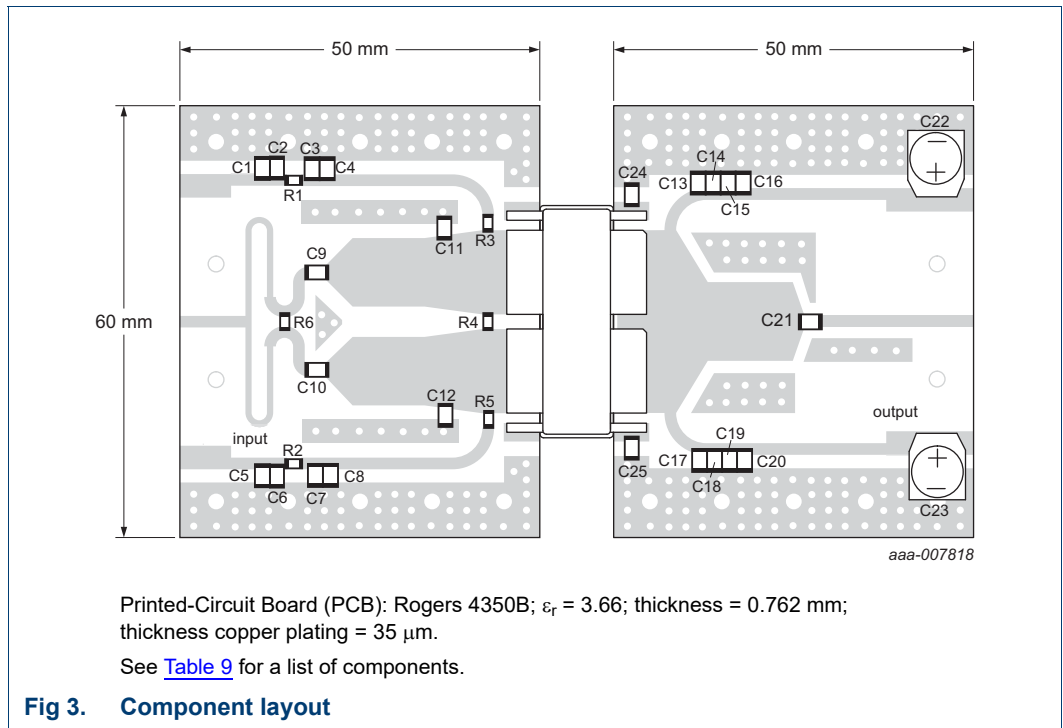


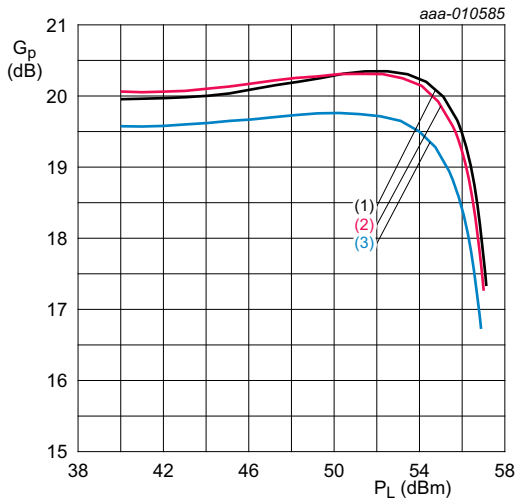
Table 9. List of components

See [Figure 3](#) for component layout.

Component	Description	Value	Remarks
C1, C5, C16, C20	multilayer ceramic chip capacitor	10 μF , 50 V	Murata, SMD 2220
C2, C6, C15, C19, C24, C25	multilayer ceramic chip capacitor	4.7 μF , 50 V	Murata
C3, C7, C14, C18	multilayer ceramic chip capacitor	1 nF	ATC100B
C4, C8, C9, C10, C13, C17, C21	multilayer ceramic chip capacitor	24 pF	ATC100B
C11, C12	multilayer ceramic chip capacitor	100 pF	ATC100B
C22, C23	electrolytic capacitor	2200 μF , 63 V	
R1, R2	resistor	10 Ω	SMD 1206
R3, R5	resistor	5.1 Ω	SMD 1206
R4	resistor	33 Ω	SMD 1206
R6	resistor	100 Ω	SMD 1206

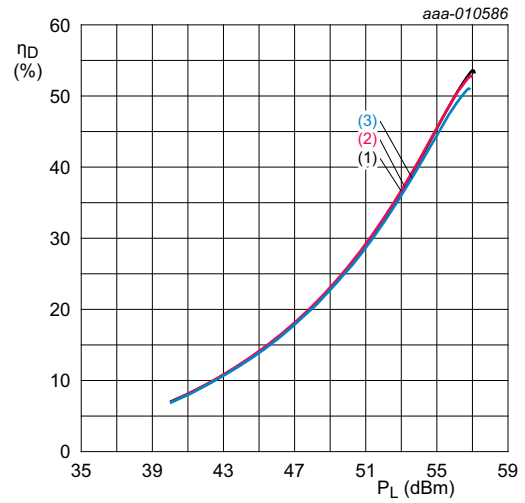
7.5 Graphical data

7.5.1 Pulsed CW



$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}; t_p = 100\text{ }\mu\text{s}; \delta = 10\text{ }\%$.
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

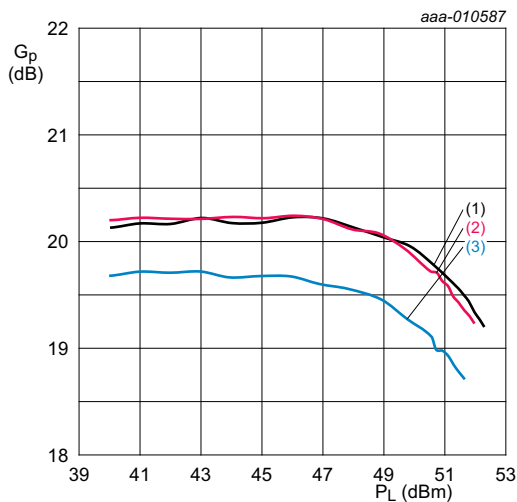
Fig 4. Power gain as a function of output power; typical values



$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}; t_p = 100\text{ }\mu\text{s}; \delta = 10\text{ }\%$.
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

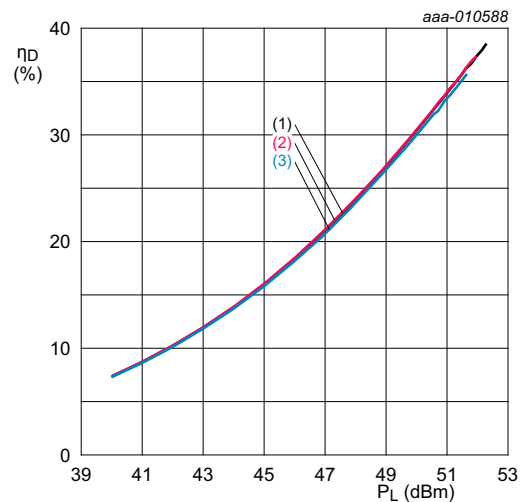
Fig 5. Drain efficiency as a function of output power; typical values

7.5.2 IS-95



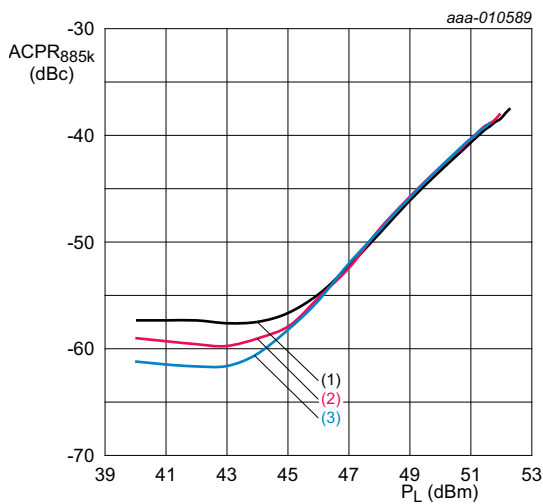
$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

Fig 6. Power gain as a function of output power; typical values



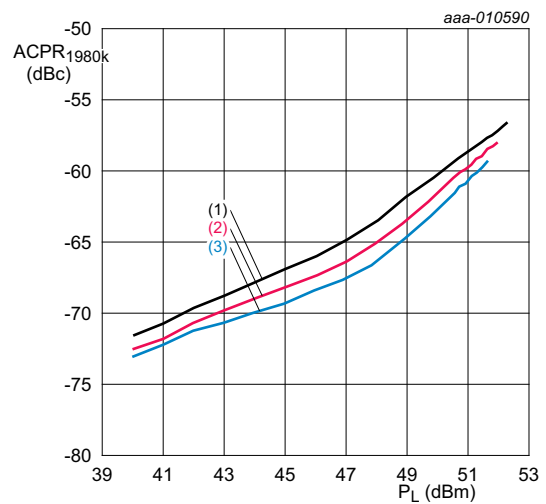
$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

Fig 7. Drain efficiency as a function of output power; typical values



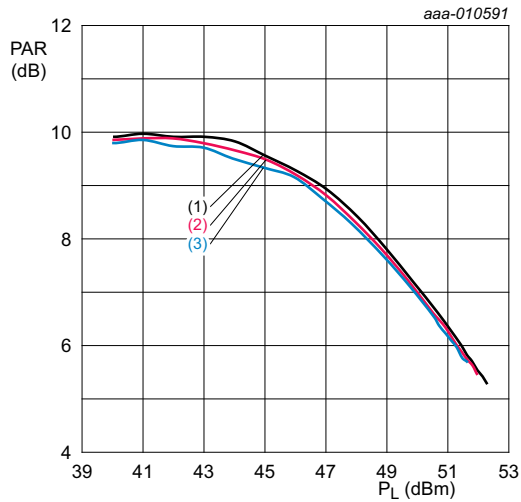
$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

Fig 8. Adjacent channel power ratio (885 kHz) as a function of output power; typical values



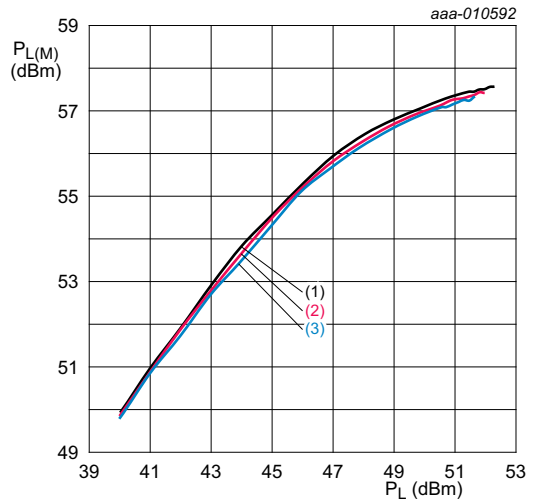
$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

Fig 9. Adjacent channel power ratio (1980 kHz) as a function of output power; typical values



$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

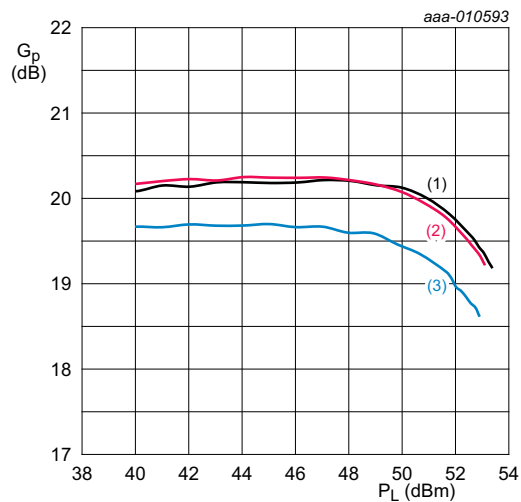
Fig 10. Peak-to-average ratio as a function of output power; typical values



$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

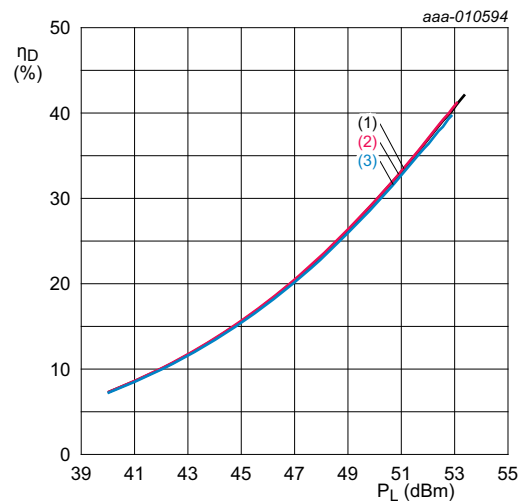
Fig 11. Peak output power as a function of output power; typical values

7.5.3 1-Carrier W-CDMA



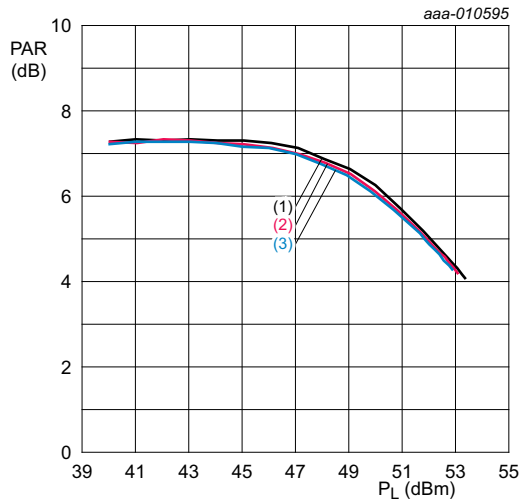
$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

Fig 12. Power gain as a function of output power; typical values



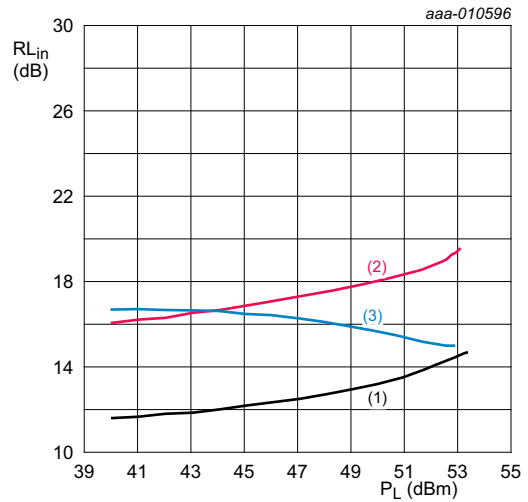
$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

Fig 13. Drain efficiency as a function of output power; typical values



$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

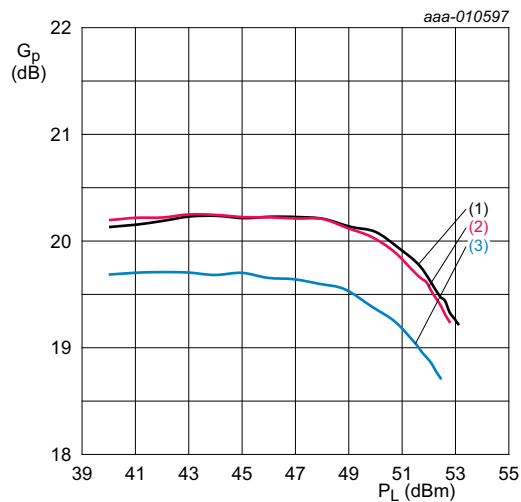
Fig 14. Peak-to-average ratio as a function of output power; typical values



$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

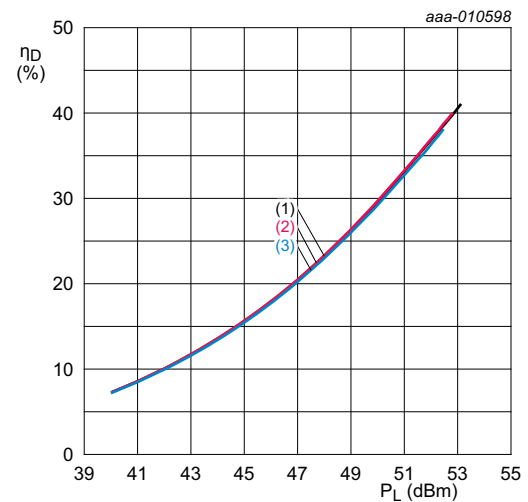
Fig 15. Input return loss as a function of output power; typical values

7.5.4 2-Carrier W-CDMA



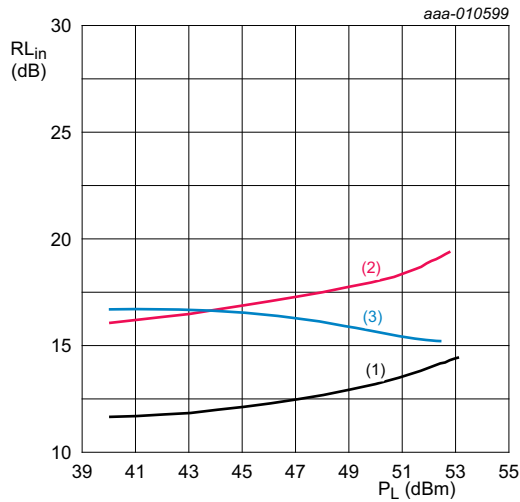
$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

Fig 16. Power gain as a function of output power; typical values



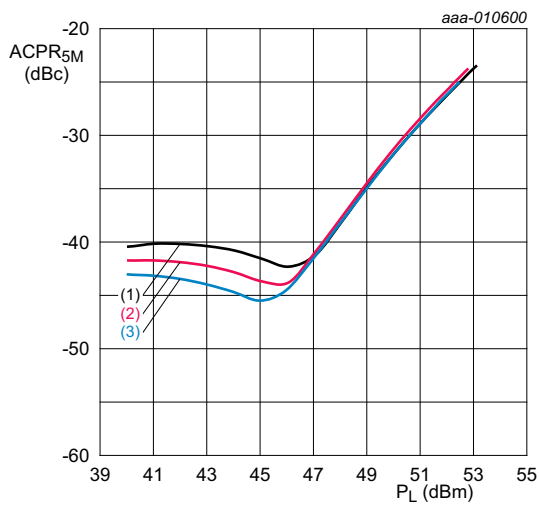
$V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA}.$
 (1) $f = 1805\text{ MHz}$
 (2) $f = 1840\text{ MHz}$
 (3) $f = 1880\text{ MHz}$

Fig 17. Drain efficiency as a function of output power; typical values



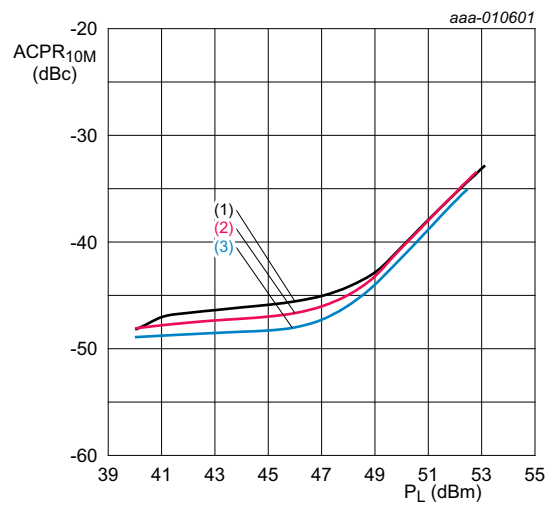
- $V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA.}$
- (1) $f = 1805\text{ MHz}$
 - (2) $f = 1840\text{ MHz}$
 - (3) $f = 1880\text{ MHz}$

Fig 18. Input return loss as a function of output power; typical values



- $V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA.}$
- (1) $f = 1805\text{ MHz}$
 - (2) $f = 1840\text{ MHz}$
 - (3) $f = 1880\text{ MHz}$

Fig 19. Adjacent channel power ratio (5 MHz) as a function of output power; typical values



- $V_{DS} = 28\text{ V}; I_{Dq} = 3400\text{ mA.}$
- (1) $f = 1805\text{ MHz}$
 - (2) $f = 1840\text{ MHz}$
 - (3) $f = 1880\text{ MHz}$

Fig 20. Adjacent channel power ratio (10 MHz) as a function of output power; typical values

8. Package outline

Earless flanged ceramic package; 8 leads

SOT1242B

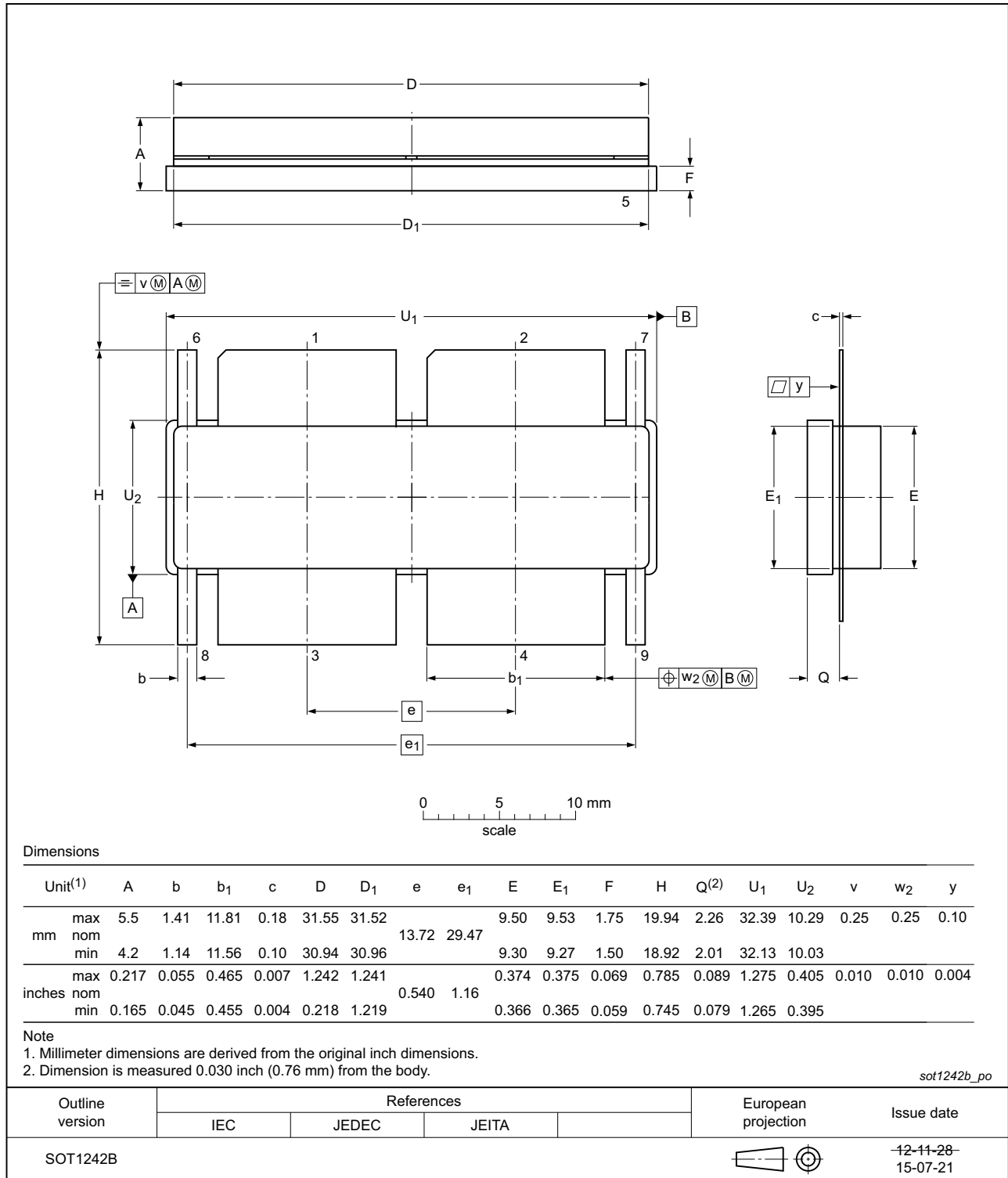


Fig 21. Package outline SOT1242B

Earless flanged ceramic package; 8 leads

SOT1242C

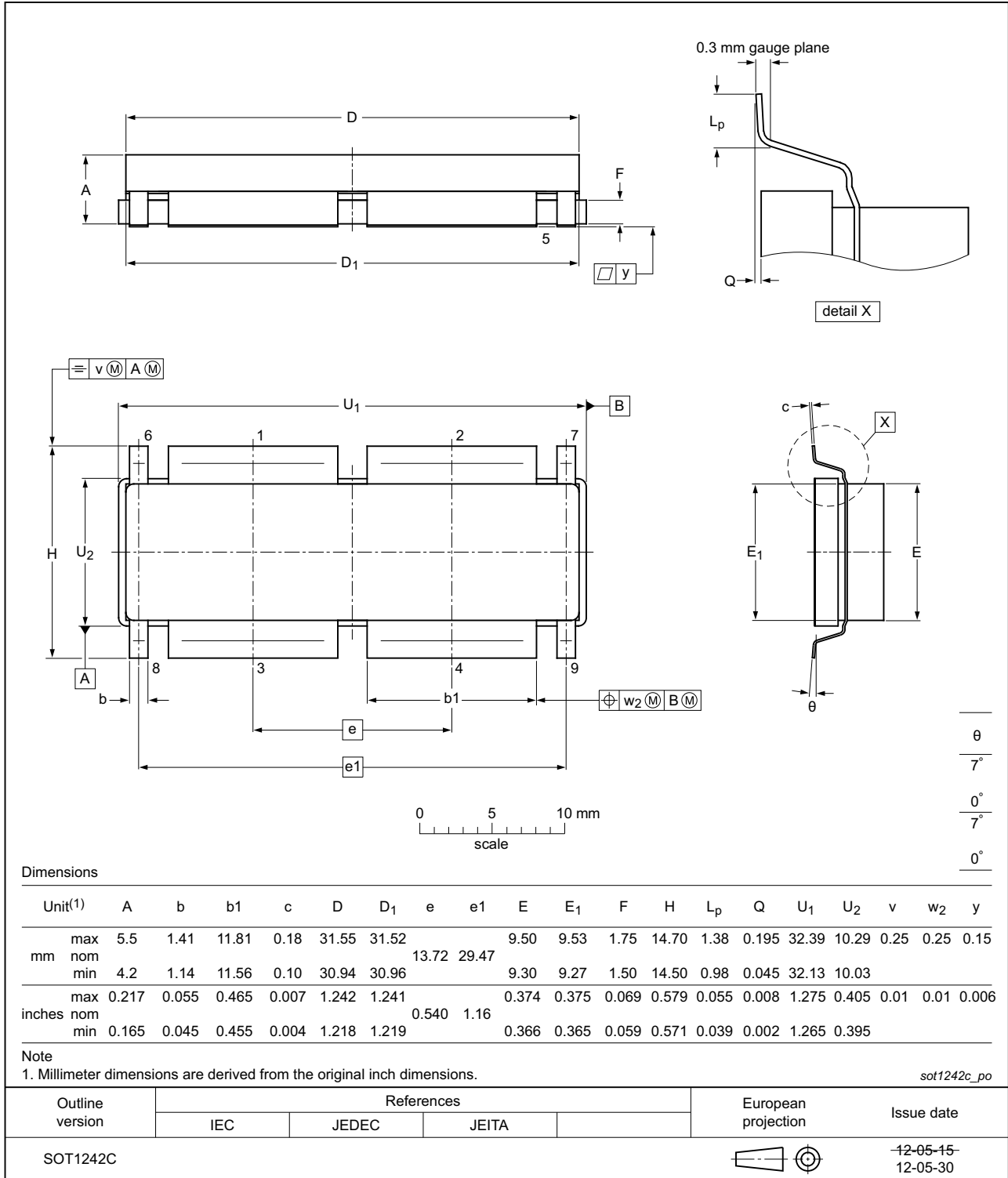


Fig 22. Package outline SOT1242C

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 10. Abbreviations

Acronym	Description
3GPP	3rd Generation Partnership Project
CCDF	Complementary Cumulative Distribution Function
CW	Continuous Wave
DPCH	Dedicated Physical Channel
ESD	ElectroStatic Discharge
IMD	InterModulation Distortion
IS-95	Interim Standard 95
LDMOS	Laterally Diffused Metal Oxide Semiconductor
MTF	Median Time to Failure
PAR	Peak-to-Average Ratio
SMD	Surface Mounted Device
VSWR	Voltage Standing Wave Ratio
W-CDMA	Wideband Code Division Multiple Access

11. Revision history

Table 11. Revision history

Document ID	Release date	Data sheet status	Change notice	Supersedes
BLF8G20LS-400PV_LS-400PGV#5	20150901	Product data sheet		BLF8G20LS-400PV_LS-400PGV v.4
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. 		
BLF8G20LS-400PV_LS-400PGV v.4	20150728	Product data sheet	-	BLF8G20LS-400PV_LS-400PGV v.3
BLF8G20LS-400PV_LS-400PGV v.3	20140603	Product data sheet	-	BLF8G20LS-400PV_LS-400PGV v.2
BLF8G20LS-400PV_LS-400PGV v.2	20130625	Product data sheet	-	BLF8G20LS-400PV_LS-400PGV v.1
BLF8G20LS-400PV_LS-400PGV v.1	20130606	Preliminary 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.

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.

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

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 3

5 Thermal characteristics 3

6 Characteristics 3

7 Test information 4

7.1 Ruggedness in class-AB operation 4

7.2 Impedance information 4

7.3 VBW in class-AB operation 5

7.4 Test circuit 6

7.5 Graphical data 7

7.5.1 Pulsed CW 7

7.5.2 IS-95 8

7.5.3 1-Carrier W-CDMA 9

7.5.4 2-Carrier W-CDMA 10

8 Package outline 12

9 Handling information 14

10 Abbreviations 14

11 Revision history 14

12 Legal information 15

12.1 Data sheet status 15

12.2 Definitions 15

12.3 Disclaimers 15

12.4 Trademarks 16

13 Contact information 16

14 Contents 17

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: BLF8G20LS-400PV_LS-400PGV#5