

Constant current independent driver
PBL(E) Series suffix S



Features

- Slim shape design
- Multi-level current output can be realized by DIP-switch
- Flicker-free output, which meets the requirement of ErP standard
- Two-stage and isolation, more stable and safer
- High PF, low THD
- Screw-free design, easy wiring
- Screw-free and pressing type strain relief and easier to install
- SELV and Class II design, suitable for use outside of the luminaires
- 5.5-year guarantee

Functions

- Protective features
(short-circuit, no-load, overload,
over temperature protection)

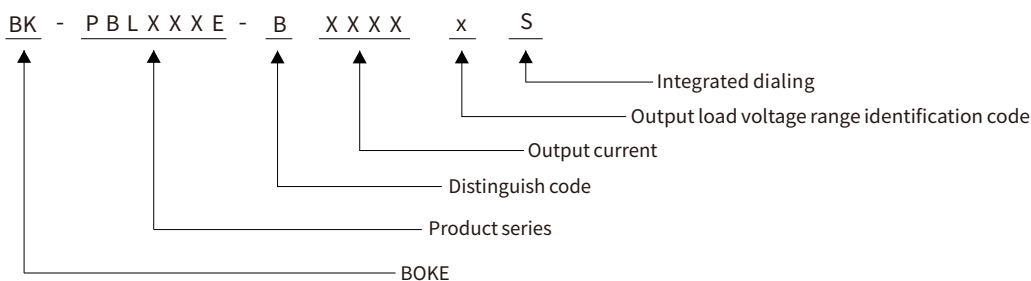
Suitable for lights

- Suitable for downlights or spotlights with
small mounting holes

Typical applications

- LED indoor lighting
- LED office lighting
- LED commercial lighting

Model coding rules of PBL(E) series



Model list

Model	Input voltage	Output power	Output voltage	Output current	Dimension
BK-PBL010E-B0250AS	200-240VAC	10.5W MAX.	28-42VDC	0.1-0.25A	L123*W23*H20mm
BK-PBL010E-B0350BS	200-240VAC	7.7W MAX.	15-22VDC	0.2-0.35A	L123*W23*H20mm
BK-PBL013E-B0350AS	200-240VAC	13.3W MAX.	28-42VDC	0.2-0.35A	L123*W23*H20mm
BK-PBL013E-B0500BS	200-240VAC	11W MAX.	15-22VDC	0.35-0.5A	L123*W23*H20mm
BK-PBL022E-B0600AS	200-240VAC	22.8W MAX.	28-42VDC	0.3-0.6A	L129*W29.5*H20mm



Technical data

Product model	BK-PBL010E-B0250AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.1-0.25A,see the DIP-switch for details
Rated output voltage range	28-42VDC,see the DIP-switch for details
Rated output power	10.5W Max,see the DIP-switch for details
Output current adjustment	DIP S.W(4 levels)
Output current ripple Ipeak-peak(typ.)	±5%(120kHz)
Output current accuracy	±15mA
Linear regulation	±15mA
Load regulation	±15mA
No load output voltage	50VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.379%(100Hz),Flicker index(IEEE 1789)=0.000(100Hz), Pst LM = 0.011, SVM = 0.012, (The above parameters are obtained from testing the panel lights)
Input parameters	
Rated input voltage range	200-240VAC
Input voltage range	180-264VAC
Input votage shock	<380 V AC
Input current	<0.065A (Rated input voltage)
Input frequency	50/60Hz
Input PF/Input DF(typ.)	PF: 0.97,DF:0.97 , see the electrical values below for details
Input THD(typ.)	6% , see the electrical values below for details
Efficiency(typ.)	85% , see the electrical values below for details
In-rush current(typ.)	4.8A peak ,244us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.5s(AC start),<0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):12.4W, No load(Pno):N/A, On stand-by(Psb) : N/A, Network stand-by(Pnet) : N/A
Safety	
Withstand voltage	I/P-O/P(LED):3750V AC
Mains surge capability	L-N:1KV(Performance criterion:A);L-N:2KV(Performance criterion:B) (90°/270°, 5 times each with an interval of 60s)
Leakage current(typ.)	0.4mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70%RH
Control interface	
DALI dimming port	N/A
pushDIM dimming port	N/A
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	N/A
Dimming drive mode	N/A
Emergency support	
Central emergency system	N/A
Self-contained emergency	N/A
Environment & Life time	
Operating temperature	Ta=-20-60°C
Case temperature	Tc=90°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H,MIL-HDBK-217F(25°C)
Life-time	Nominal life-time up to 100,000 h, see the description below for details
Vibration resistant	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes
Acoustic Noise	<25dB(30cm, Normal operation)
Environmental protection	RoHS
Certifications and standards	
Compliance certification	CCC, CE, ENEC, UKCA, RCM
Safety	GB/T 19510.1,GB/T 19510.213, EN61347-1, EN61347-2-13, EN62384
EMC	GB/T 17743 , GB17625.1, EN55015, EN61000-3-2 , EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547
DALI-2	N/A
EL	N/A
RF	N/A

Technical data

Product model	BK-PBL010E-B0350BS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.2-0.35A,see the DIP-switch for details
Rated output voltage range	15-22VDC,see the DIP-switch for details
Rated output power	7.7W Max,see the DIP-switch for details
Output current adjustment	DIP S.W(4 levels)
Output current ripple Ipeak-peak(typ.)	±5%(100kHz)
Output current accuracy	±20mA@350mA 300mA ±15mA@250mA 200mA
Linear regulation	±20mA@350mA 300mA ±15mA@250mA 200mA
Load regulation	±20mA@350mA 300mA ±15mA@250mA 200mA
No load output voltage	35VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.412%(100Hz),Flicker index(IEEE 1789)=0.000(100Hz), Pst LM = 0.012, SVM = 0.013, (The above parameters are obtained from testing the panel lights)
Input parameters	
Rated input voltage range	200-240VAC
Input voltage range	180-264VAC
Input voltage shock	<380 V AC
Input current	<0.05A (Rated input voltage)
Input frequency	50/60Hz
Input PF/Input DF(typ.)	PF: 0.96,DF:0.96 , see the electrical values below for details
Input THD(typ.)	7% , see the electrical values below for details
Efficiency(typ.)	83% , see the electrical values below for details
In-rush current(typ.)	4.8A peak ,244us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.5s(AC start),<0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):9.3W, No load(Pno):N/A, On stand-by(Psb) : N/A, Network stand-by(Pnet) : N/A
Safety	
Withstand voltage	I/P-O/P(LED):3750V AC
Mains surge capability	L-N:1KV(Performance criterion:A);L-N:2KV(Performance criterion:B) (90°/270°, 5 times each with an interval of 60s)
Leakage current(typ.)	0.4mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70%RH
Control interface	
DALI dimming port	N/A
pushDIM dimming port	N/A
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	N/A
Dimming drive mode	N/A
Emergency support	
Central emergency system	N/A
Self-contained emergency	N/A
Environment & Life time	
Operating temperature	Ta=-20-60°C
Case temperature	Tc=90°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H,MIL-HDBK-217F(25°C)
Life-time	Nominal life-time up to 100,000 h, see the description below for details
Vibration resistant	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes
Acoustic Noise	<25dB(30cm, Normal operation)
Environmental protection	RoHS
Certifications and standards	
Compliance certification	CCC, CE, ENEC, UKCA, RCM
Safety	GB/T 19510.1,GB/T 19510.213, EN61347-1, EN61347-2-13, EN62384
EMC	GB/T 17743, GB17625.1, EN55015, EN61000-3-2, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547
DALI-2	N/A
EL	N/A
RF	N/A

Technical data

Product model	BK-PBL013E-B0350AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.2-0.35A,see the DIP-switch for details
Rated output voltage range	28-42VDC,see the DIP-switch for details
Rated output power	13.3W Max,see the DIP-switch for details
Output current adjustment	DIP S.W(4 levels)
Output current ripple Ipeak-peak(typ.)	±5%(90kHz)
Output current accuracy	±20mA@350mA 300mA ±15mA@250mA 200mA
Linear regulation	±20mA@350mA 300mA ±15mA@250mA 200mA
Load regulation	±20mA@350mA 300mA ±15mA@250mA 200mA
No load output voltage	50VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.331%(100Hz),Flicker index(IEEE 1789)=0.000(100Hz), Pst LM = 0.011, SVM = 0.013, (The above parameters are obtained from testing the panel lights)
Input parameters	
Rated input voltage range	200-240VAC
Input voltage range	180-264VAC
Input votage shock	<380 V AC
Input current	<0.08A (Rated input voltage)
Input frequency	50/60Hz
Input PF/Input DF(typ.)	PF: 0.97,DF:0.97 , see the electrical values below for details
Input THD(typ.)	6% , see the electrical values below for details
Efficiency(typ.)	86% , see the electrical values below for details
In-rush current(typ.)	4.8A peak ,244us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.5s(AC start),<0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):15.5W, No load(Pno):N/A, On stand-by(Psb) : N/A, Network stand-by(Pnet) : N/A
Safety	
Withstand voltage	I/P-O/P(LED):3750V AC
Mains surge capability	L-N:1KV(Performance criterion:A);L-N:2KV(Performance criterion:B) (90°/270°, 5 times each with an interval of 60s)
Leakage current(typ.)	0.4mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70%RH
Control interface	
DALI dimming port	N/A
pushDIM dimming port	N/A
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	N/A
Dimming drive mode	N/A
Emergency support	
Central emergency system	N/A
Self-contained emergency	N/A
Environment & Life time	
Operating temperature	Ta=-20-55/60°C,see the operating temperature for details
Case temperature	Tc=90°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H,MIL-HDBK-217F(25°C)
Life-time	Nominal life-time up to 100,000 h, see the description below for details
Vibration resistant	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes
Acoustic Noise	<25dB(30cm, Normal operation)
Environmental protection	RoHS
Certifications and standards	
Compliance certification	CCC, CE, ENEC, UKCA, RCM
Safety	GB/T 19510.1,GB/T 19510.213, EN61347-1, EN61347-2-13, EN62384
EMC	GB/T 17743, GB17625.1, EN55015, EN61000-3-2, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547
DALI-2	N/A
EL	N/A
RF	N/A

Technical data

Product model	BK-PBL013E-B0500BS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.35-0.5A,see the DIP-switch for details
Rated output voltage range	15-22VDC,see the DIP-switch for details
Rated output power	11W Max,see the DIP-switch for details
Output current adjustment	DIP S.W(4 levels)
Output current ripple Ipeak-peak(typ.)	±5%(70kHz)
Output current accuracy	±20mA
Linear regulation	±20mA
Load regulation	±20mA
No load output voltage	35VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.467%(100Hz),Flicker index(IEEE 1789)=0.000(100Hz), Pst LM = 0.011, SVM = 0.005, (The above parameters are obtained from testing the panel lights)
Input parameters	
Rated input voltage range	200-240VAC
Input voltage range	180-264VAC
Input votage shock	<380 V AC
Input current	<0.065A (Rated input voltage)
Input frequency	50/60Hz
Input PF/Input DF(typ.)	PF: 0.97,DF:0.97 , see the electrical values below for details
Input THD(typ.)	10% , see the electrical values below for details
Efficiency(typ.)	84.5% , see the electrical values below for details
In-rush current(typ.)	4.8A peak ,244us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.5s(AC start),<0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):13.0W, No load(Pno):N/A, On stand-by(Psb) : N/A, Network stand-by(Pnet) : N/A
Safety	
Withstand voltage	I/P-O/P(LED):3750V AC
Mains surge capability	L-N:1KV(Performance criterion:A);L-N:2KV(Performance criterion:B) (90°/270°, 5 times each with an interval of 60s)
Leakage current(typ.)	0.4mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70%RH
Control interface	
DALI dimming port	N/A
pushDIM dimming port	N/A
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	N/A
Dimming drive mode	N/A
Emergency support	
Central emergency system	N/A
Self-contained emergency	N/A
Environment & Life time	
Operating temperature	Ta=-20-60°C
Case temperature	Tc=90°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H,MIL-HDBK-217F(25°C)
Life-time	Nominal life-time up to 100,000 h, see the description below for details
Vibration resistant	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes
Acoustic Noise	<25dB(30cm, Normal operation)
Environmental protection	RoHS
Certifications and standards	
Compliance certification	CCC, CE, ENEC, UKCA, RCM
Safety	GB/T 19510.1,GB/T 19510.213, EN61347-1, EN61347-2-13, EN62384
EMC	GB/T 17743 , GB17625.1, EN55015, EN61000-3-2 , EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547
DALI-2	N/A
EL	N/A
RF	N/A

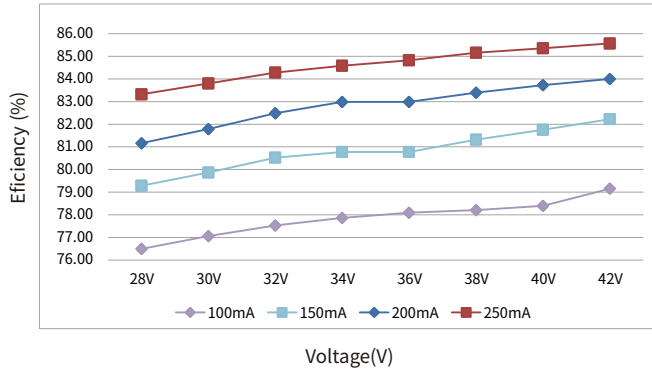
Technical data

Product model	BK-PBL022E-B0600AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.3-0.6A,see the DIP-switch for details
Rated output voltage range	28-42VDC,see the DIP-switch for details
Rated output power	22.8W Max,see the DIP-switch for details
Output current adjustment	DIP S.W(7 levels)
Output current ripple Ipeak-peak(typ.)	±4%(100kHz)
Output current accuracy	±5%
Linear regulation	±5%
Load regulation	±5%
No load output voltage	50VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.251%(100Hz),Flicker index(IEEE 1789)=0.000(100Hz), Pst LM = 0.007, SVM = 0.006, (The above parameters are obtained from testing the panel lights)
Input parameters	
Rated input voltage range	200-240VAC
Input voltage range	180-264VAC
Input votage shock	<380 V AC
Input current	<0.14A (Rated input voltage)
Input frequency	50/60Hz
Input PF/Input DF(typ.)	PF: 0.98,DF:0.98 , see the electrical values below for details
Input THD(typ.)	5% , see the electrical values below for details
Efficiency(typ.)	88.5% , see the electrical values below for details
In-rush current(typ.)	13.1A peak ,217us duration(50 % Ipeak), see the description below for details
Start/Switchover/Turn off	<0.5s(AC start),<0.5s(Turn off)
Switching cycles	> 100,000 switching cycles
Power consumption(typ.)	Full load(Pin):25.8W, No load(Pno):N/A, On stand-by(Psb) : N/A, Network stand-by(Pnet) : N/A
Safety	
Withstand voltage	I/P-O/P(LED):3750V AC
Mains surge capability	L-N:1KV(Performance criterion:A);L-N:2KV(Performance criterion:B) (90°/270°, 5 times each with an interval of 60s)
Leakage current(typ.)	0.65mA
Isolation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70%RH
Control interface	
DALI dimming port	N/A
pushDIM dimming port	N/A
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	N/A
Dimming drive mode	N/A
Emergency support	
Central emergency system	N/A
Self-contained emergency	N/A
Environment & Life time	
Operating temperature	Ta=-20-50°C
Case temperature	Tc=90°C
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	IP20
MTBF	500,000H,MIL-HDBK-217F(25°C)
Life-time	Nominal life-time up to 100,000 h, see the description below for details
Vibration resistant	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes
Acoustic Noise	<25dB(30cm, Normal operation)
Environmental protection	RoHS
Certifications and standards	
Compliance certification	CCC, CE, ENEC, UKCA, RCM
Safety	GB/T 19510.1,GB/T 19510.213, EN61347-1, EN61347-2-13, EN62384
EMC	GB/T 17743 , GB17625.1, EN55015, EN61000-3-2 , EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN61547
DALI-2	N/A
EL	N/A
RF	N/A

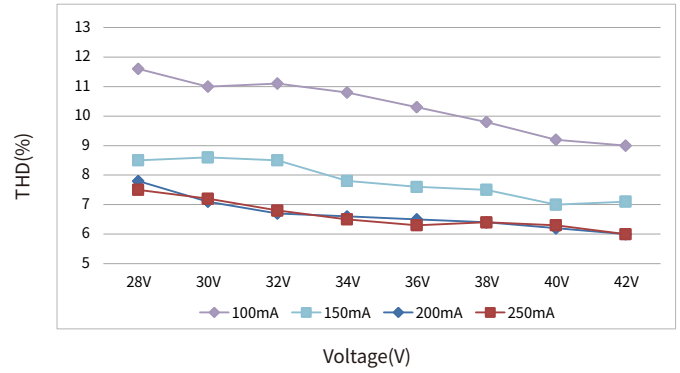
Electrical values

BK-PBL010E-B0250AS

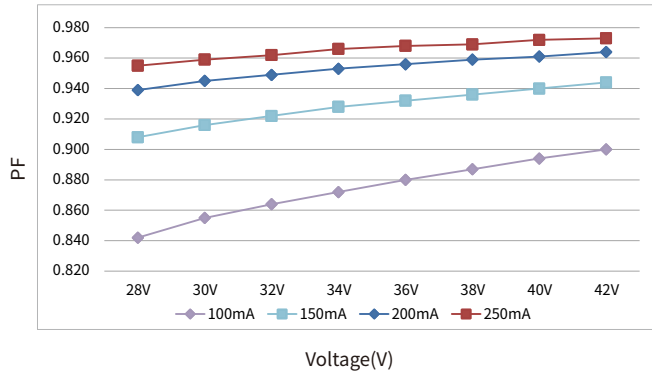
Efficiency vs voltage



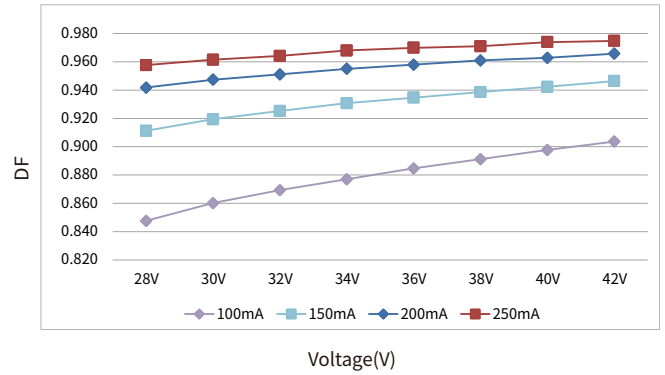
THD vs. Load



Power factor vs. Load

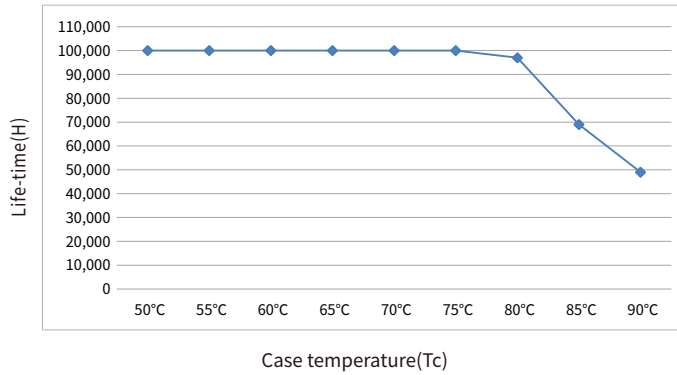


Displacement factor vs. Load



Expected life-time

Life-time vs. case temperature



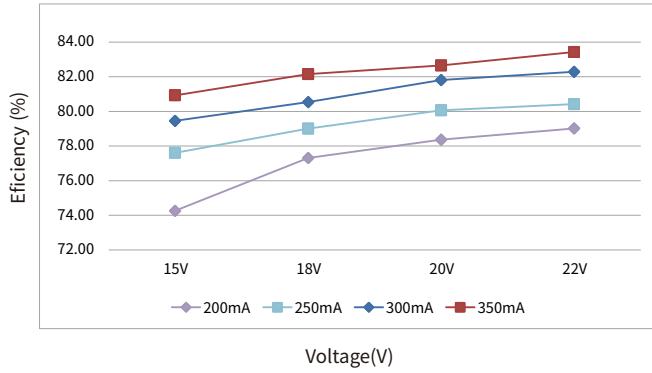
-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

- The relation of tc to ta temperature depends also on the luminaire design.

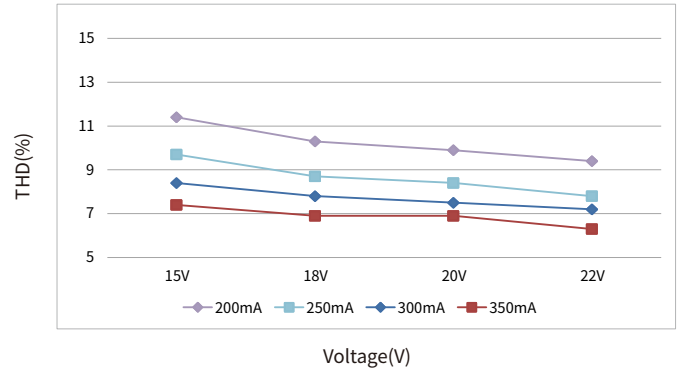
Electrical values

BK-PBL010E-B0350BS

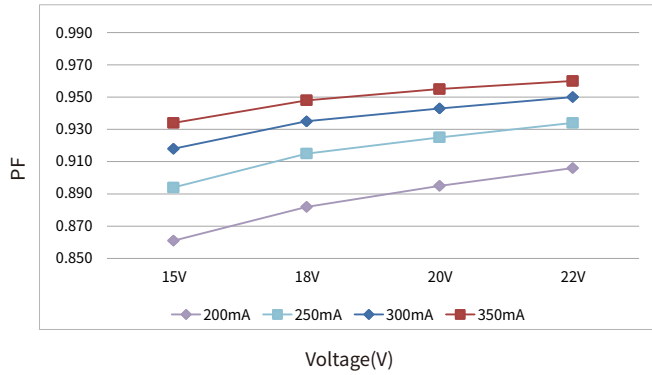
Efficiency vs voltage



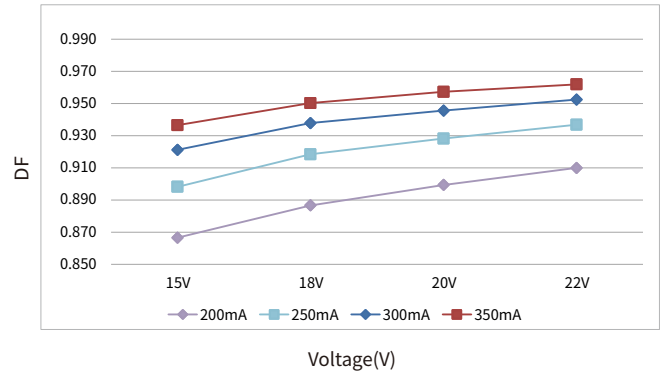
THD vs. Load



Power factor vs. Load

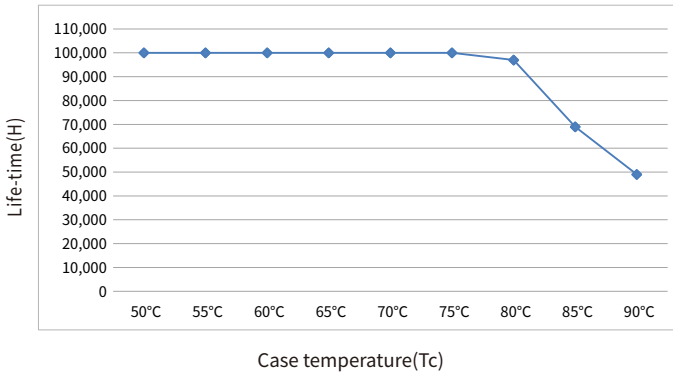


Displacement factor vs. Load



Expected life-time

Life-time vs. case temperature



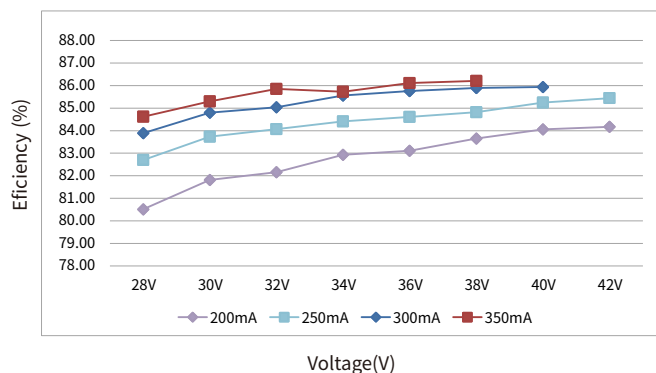
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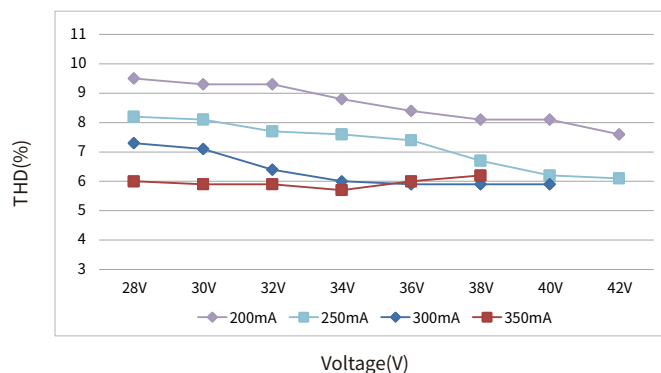
Electrical values

BK-PBL013E-B0350AS

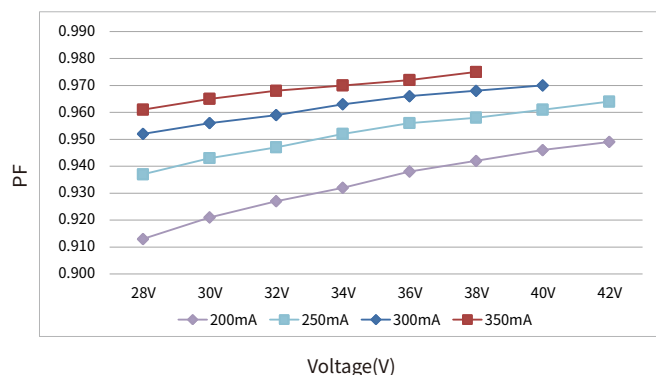
Efficiency vs voltage



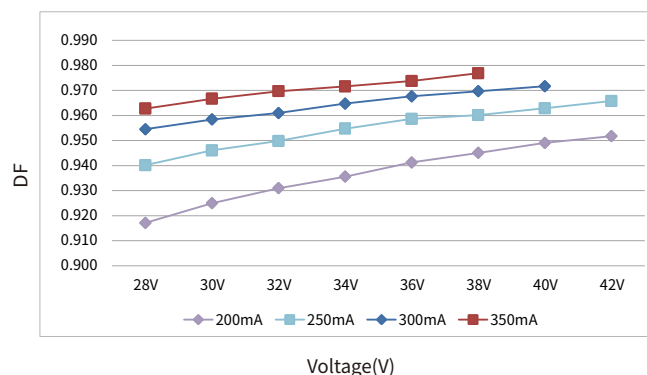
THD vs. Load



Power factor vs. Load

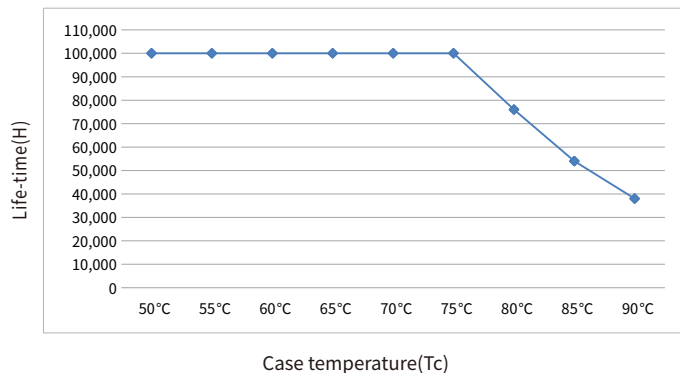


Displacement factor vs. Load



Expected life-time

Life-time vs. case temperature



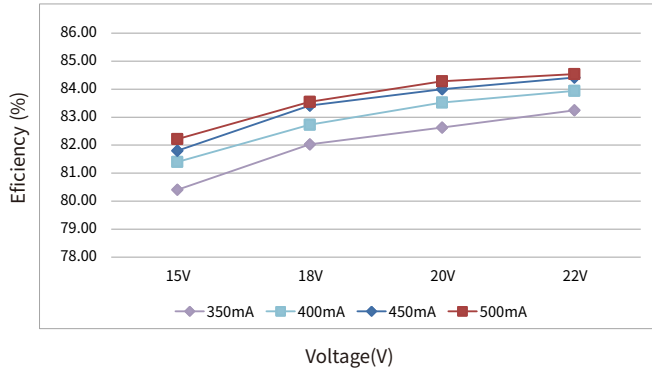
-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

- The relation of tc to ta temperature depends also on the luminaire design.

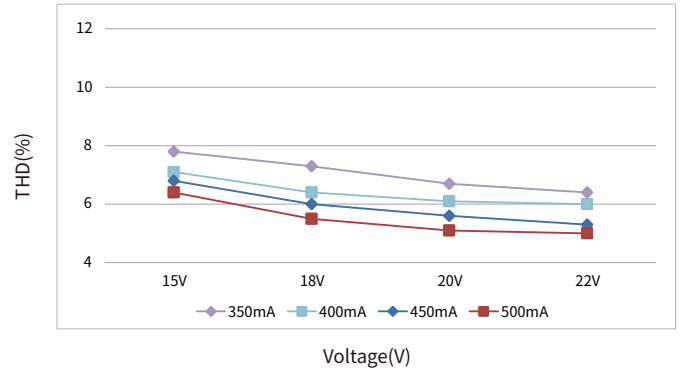
Electrical values

BK-PBL013E-B0500BS

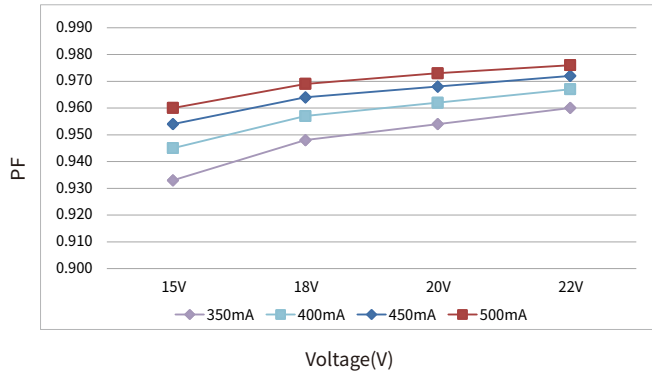
Efficiency vs voltage



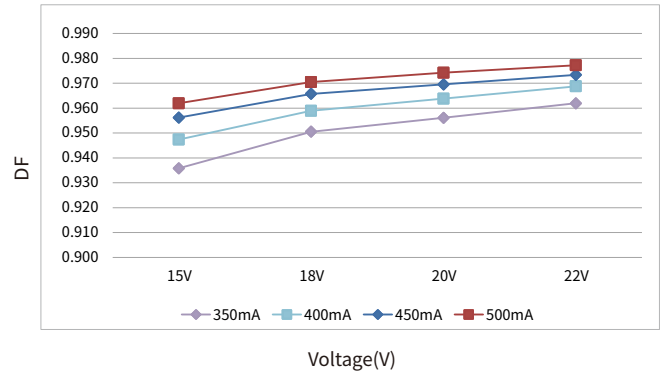
THD vs. Load



Power factor vs. Load

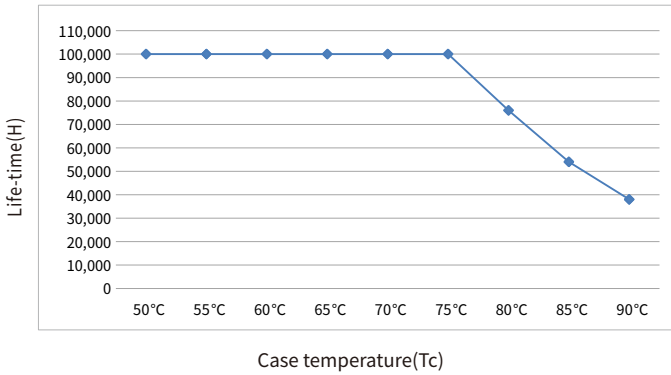


Displacement factor vs. Load



Expected life-time

Life-time vs. case temperature



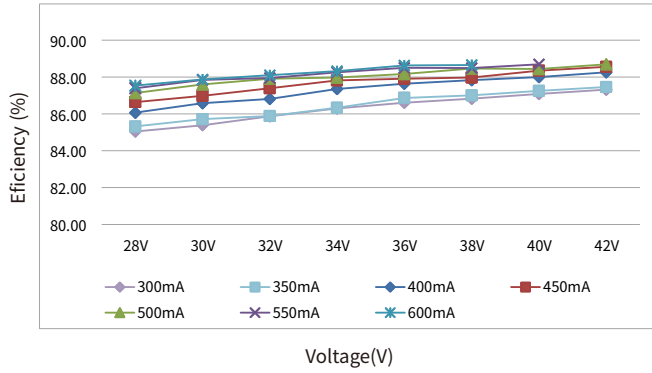
-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

- The relation of tc to ta temperature depends also on the luminaire design.

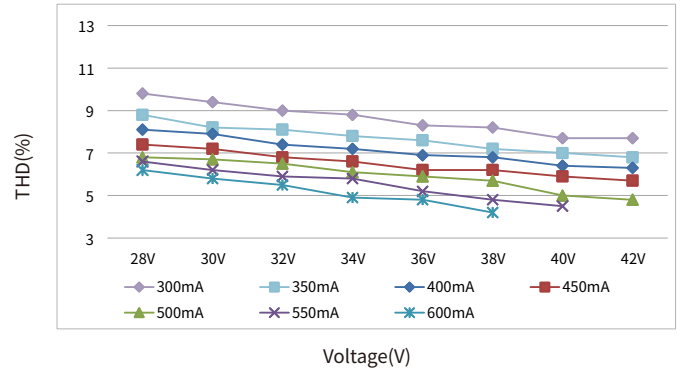
Electrical values

BK-PBL022E-B0600AS

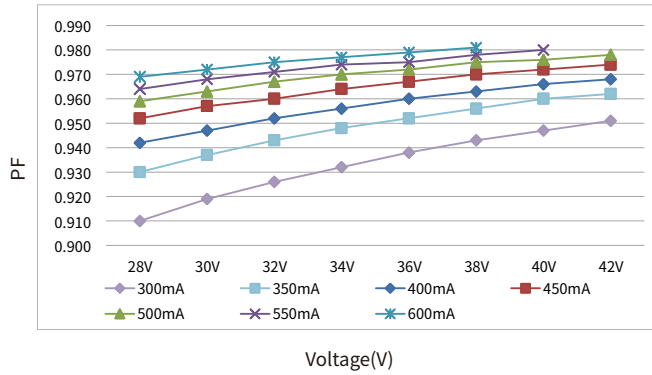
Efficiency vs voltage



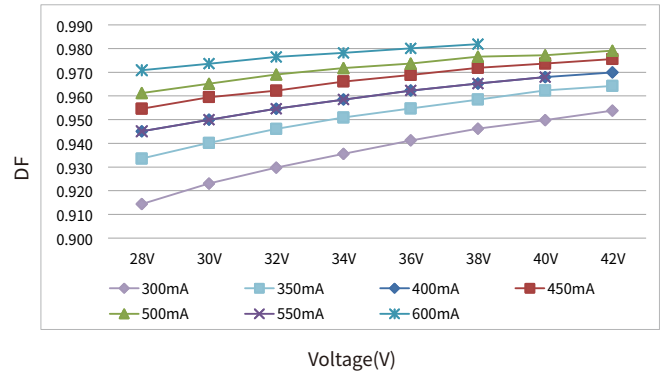
THD vs. Load



Power factor vs. Load

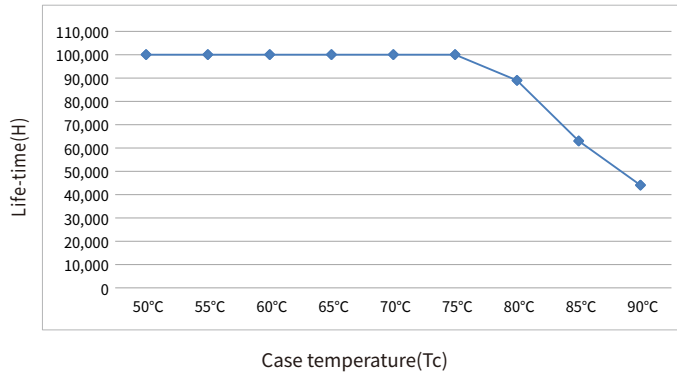


Displacement factor vs. Load



Expected life-time

Life-time vs. case temperature



-The life-time of the LED driver is shown in the figure above (calculated based on the 90% survival rate).

- The relation of tc to ta temperature depends also on the luminaire design.

BK-PBL013E-B0350AS

ACN

ACL

wire prep.

0.75-1.5mm²

Preparation for input and output

BOKE

Constant Current LED Driver(LED控制装置)

MODEL: BK-PBL013E-B0350AS

Input: 200-240V ~50/60Hz 0.08A Max. λ :0.9C-0.95

Output: 28-38V = 350mA 13.3W 50VDC Max.

Other ratings see selection sheet

CCC

CE

UKCA

SELV

25

TUV

RoHS

REACH

For LED Modules use only

BOKE Drivers Co.,Ltd. MADE IN CHINA(中国制造)

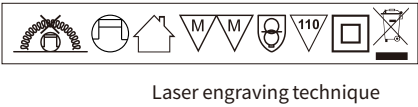
Po(W)	Io(mA)	Vo(Vdc)	1	2
8.40	200	28-42	--	--
10.50	250	28-42	ON	--
12.60	300	28-42	--	ON
13.30	350	28-38	ON	ON

8-9mm

110

LED+

LED-



BK-PBL013E-B0500BS

ACN

ACL

wire prep.

0.75-1.5mm²

Preparation for input and output

BOKE

Constant Current LED Driver(LED控制装置)

MODEL: BK-PBL013E-B0500BS

Input: 200-240V ~50/60Hz 0.065A Max. λ :0.9C-0.95

Output: 15-22V = 500mA 11W 33VDC Max.

Other ratings see selection sheet

CCC

CE

UKCA

SELV

25

TUV

RoHS

REACH

For LED Modules use only

BOKE Drivers Co.,Ltd. MADE IN CHINA(中国制造)

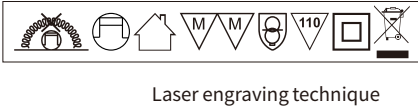
Po(W)	Io(mA)	Vo(Vdc)	1	2
7.70	350	15-22	--	--
8.80	400	15-22	ON	--
9.90	450	15-22	--	ON
11.00	500	15-22	ON	ON

8-9mm

110

LED+

LED-



BK-PBL022E-B0600AS

ACN

ACL

wire prep.

0.75-1.5mm²

Preparation for input and output

BOKE

Constant Current LED Driver(LED控制装置)

MODEL: BK-PBL022E-B0600AS

Input: 200-240V ~50/60Hz 0.14A Max. λ :0.9C-0.95

Output: 28-38V = 600mA 22.8W 50VDC Max.

Other ratings see selection sheet

CCC

CE

UKCA

SELV

25

TUV

RoHS

REACH

For LED Modules use only

BOKE Drivers Co.,Ltd. MADE IN CHINA(中国制造)

Po(W)	Io(mA)	Vo(Vdc)	1	2	3
12.60	300	28-42	--	--	--
14.70	350	28-42	ON	--	--
16.80	400	28-42	--	ON	--
18.90	450	28-42	--	--	ON
21.00	500	28-42	ON	--	ON
22.00	550	28-40	--	ON	ON
22.80	600	28-38	ON	ON	ON

8-9mm

110

LED+

LED-

Laser engraving technique

BK-PBL013E-B0350AS

Output			1	2
Prated(W)	Irated(mA)	Voltage(Vdc)		
8.40	200	28-42	--	--
10.50	250	28-42	ON	--
12.60	300	28-42	--	ON
13.30	350 ★	28-38	ON	ON

BK-PBL013E-B0350AS

TC	Ta	Output
		Irated(mA)
90℃	55℃	≤350
	60℃	≤300

BK-PBL013E-B0500BS

Output			1	2
Prated(W)	Irated(mA)	Voltage(Vdc)		
7.70	350	15-22	--	--
8.80	400	15-22	ON	--
9.90	450	15-22	--	ON
11.00	500 ★	15-22	ON	ON

BK-PBL022E-B0600AS

Output			1	2	3
Prated(W)	Irated(mA)	Voltage(Vdc)			
12.60	300	28-42	--	--	--
14.70	350	28-42	ON	--	--
16.80	400	28-42	--	ON	--
18.90	450	28-42	--	--	ON
21.00	500	28-42	ON	--	ON
22.00	550	28-40	--	ON	ON
22.80	600★	28-38	ON	ON	ON

- Remarks:
- ★ It means that this item is the factory default current.
 - It means that this channel is OFF.

Mechanical Specification

Size(Unit:mm)

PBL010E-B/PBL013E-B

20

123

23

Ø3.2

108

INPUT

Numbering	function	colour
1	ACL	grey
2	ACN	grey

Input wire

0.75-1.5mm²

8-9mm

PBL022E-B

20

129

29.5

Ø3.2

113

OUTPUT

Numbering	function	colour
1	LED+	red
2	LED-	black

Output wire

0.5-1.0mm²

8-9mm

Installation note

Hot plug-in

- Hot plug-in is not supported due to residual output voltage of $> 0\text{ V}$.

Installation requirements

- The driver should be installed in a dry, acid-free, oil-free, fat-free environment.
- The installation ambient temperature of the driver shall not exceed the value of T_a at any time.
- The temperature of the mounting surface of the driver should be lower than the temperature of T_a .
- The driver should keep a certain distance from the heating stuff (such as the lamp radiator).
- If the driver is used externally (it needs to be used with the power end cover), the installation of the driver should also meet the following conditions:
 - 1.The driver should be a certain distance between the drives, as shown in Figure 1.
 - 2.The driver keeps a certain distance from surrounding objects, as shown in Figure 2.

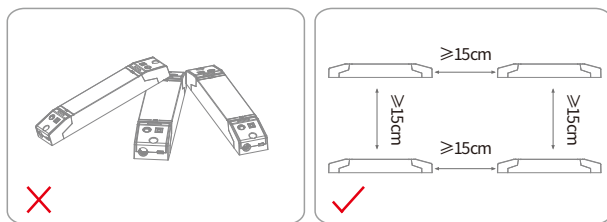


Figure 1

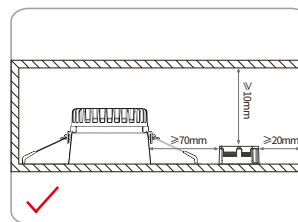


Figure 2

Wiring guidelines

- All connections must be kept as short as possible to ensure good EMI behaviour.
- Mains leads should be kept apart from LED Driver and other leads (ideally 5-10 cm distance).
- Max. length of output wires is 2m.
- Incorrect wiring can damage LED modules.

Replace LED module

1. Mains off
2. Wait more than 5 seconds
3. Remove LED module
4. Connect LED module again

Packaging



Product



Packaging



20pcs×9boxes=180pcs/CTN
20pcs×6boxes=120pcs/CTN

Model	Product size	Weight	Packaging size	Carton size	Qty/carton	N.W	G.W
PBL010E-B	L123*W23*H20mm	44g	L220*W127*H53mm	L410*W250*H190mm	180pcs	7.92KG	9.45KG
PBL013E-B	L123*W23*H20mm	44g	L220*W127*H53mm	L410*W250*H190mm	180pcs	7.92KG	9.45KG
PBL022E-B	L129*W29.5*H20mm	65g	L217*W133*H67mm	L285*W235*H220mm	120pcs	7.80KG	9.15KG

Additional information

- When the driver is used as an internal power supply for luminaires, re-evaluation of performance including temperature rise, conducted interference, radiated interference, surge immunity and electrostatic discharge (ESD) are required due to differences in luminaire structure and wiring. Ensure compliance with practical application requirements and stable & reliable operation of the driver.
- Unless otherwise specified, all specifications and parameters are measured under conditions of 230VAC input, 50Hz, full load and ambient temperature of 25°C.
- Product service life and MTBF values are for reference only and do not constitute a warranty statement.
- BOKE reserves the final right to interpret the above parameters. For further information, please send an email to info@bokedriver.com.
- The above information is subject to change without prior notice. Please ensure you use the latest version of the datasheet.