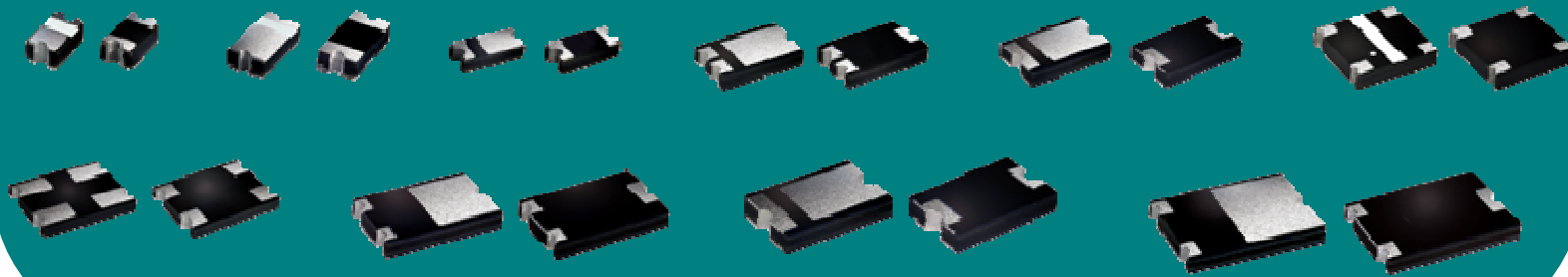


Zowie Bridge Products



Zowie Bridge Products



• Bridge Rectifier

3.8x3.5x1.15mm	P/N
1A/1000V/STD	LX10M
5.8x5.3x1.01mm	P/N
1A/1000V/STD	MBCR10MPH
5.8x5.3x1.2mm	P/N
2A/1000V/STD	Z4GP20MH
3A/1000V/STD	LX30M
3A/1000V/FR	LXR30M
5.8x5.3x1.65mm	P/N
5A/1000V/STD	LS50M
5A/1000V/FR	LSR50M
10.5x8.1x1.3mm	P/N
4A/1000V/STD	Z4GP40MH
8A/1000V/STD	LX80M
8A/1000V/FR	LXR80M
12A/1000V/STD	LS120M
12A/1000V/FR	LSR120M



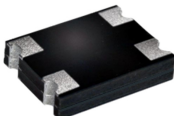
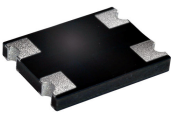
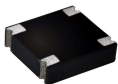
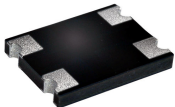
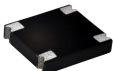
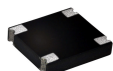
• Schottky Bridge

6.15x4.75x1.07mm	P/N
1A/40V	SMBC104H
1A/60V	SMBC106H
1A/100V	SMBC110H
2A/40V	SMBC204H
2A/60V	SMBC206H
2A/100V	SMBC210H
3A/40V	SMBC304MH
3A/60V	SMBC306MH



Zowie Bridge Products

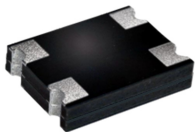
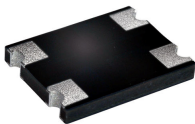
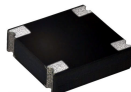
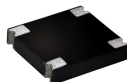


Type	Standard Recovery							
Zowie P/N	LS120M	LX80M	LS50M	Z4GP40MH	LX30M	Z4GP20MH	MBCR10MPH	LX10M
VRRM	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V
IO	12A	8A	5A	4A	3A	2A	1A	1A
IFSM	240A	200A	150A	150A	65A	50A	30A	30A
Tj	-55 ~ 150°C	-55 ~ 150°C	-55 ~ 150°C	-55 ~ 175°C	-55 ~ 150°C	-55 ~ 175°C	-55 ~ 150°C	-55 ~ 150°C
VF (typ.)	1.06V	0.97V	0.95V	0.95V	0.98V	0.95V	0.97V	
VF (max.)	1.10V	1.10V	1.10V	1.00V	1.10V	1.00V	1.10V	1.10V
IR (typ.)	0.10uA	0.20uA	0.15uA	0.08uA	0.08uA	0.08uA	0.08uA	0.08uA
IR (max.)	5uA	5uA	5uA	5uA	5uA	5uA	5uA	5uA
Package	Z4PAK-DS 	Z4PAK-D 	Z4PAK-S 	Z4PAK-D 	Z4PAK 	Z4PAK 	MBCR 	MBCN 
Dimension	8.1*10.5*1.65 mm	8.1*10.5*1.3 mm	5.3*5.8*1.65 mm	8.1*10.5*1.3 mm	5.3*5.8*1.2 mm	5.3*5.8*1.2 mm	5.3*5.8*1.01 mm	3.5*3.8*1.15 mm
Recommended Application Range	100W (2pcs for 140W)	60W (2pcs for 120W)	45W (2pcs for 65W)	50W (2pcs for 65W)	30W (2pcs for 45W)	20W (2pcs for 30W)	15W (2pcs for 20W)	10W (2pcs for 15W)

P.S. 建議應用範圍為參考值，仍需以實際評估狀況為主。

Zowie Bridge Products

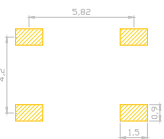
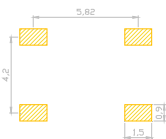
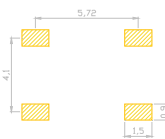
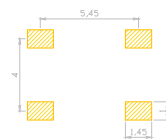
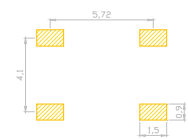
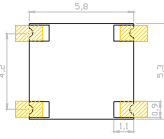
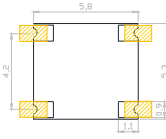
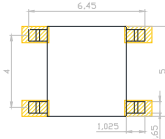
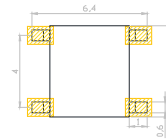
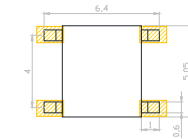
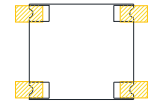
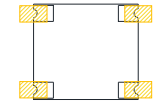
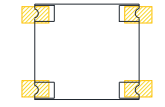
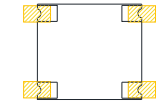
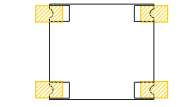


Type	Fast Recovery			
Zowie P/N	LSR120M	LXR80M	LSR50M	LXR30M
VRRM	1000V	1000V	1000V	1000V
IO	12A	8A	5A	3A
IFSM	200A	150A	145A	60A
Tj	-55 ~ 150°C	-55 ~ 150°C	-55 ~ 150°C	-55 ~ 150°C
trr	500ns	500ns	500ns	500ns
VF (typ.)	1.17V	1.08V	1.05V	1.10V
VF (max.)	1.30V	1.30V	1.30V	1.30V
IR (typ.)	0.50uA	0.30uA	0.30uA	0.20uA
IR (max.)	5uA	5uA	5uA	5uA
Package	Z4PAK-DS 	Z4PAK-D 	Z4PAK-S 	Z4PAK 
Dimension	8.1*10.5*1.65 mm	8.1*10.5*1.3 mm	5.3*5.8*1.65 mm	5.3*5.8*1.2 mm

Z4PAK/Z4PAK-S Pad Comparison



Package outline use middle specification.

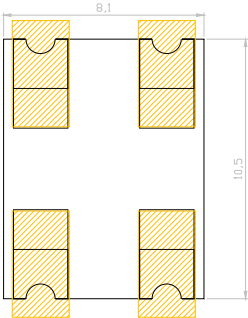
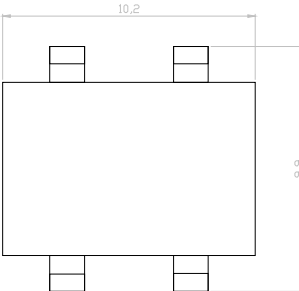
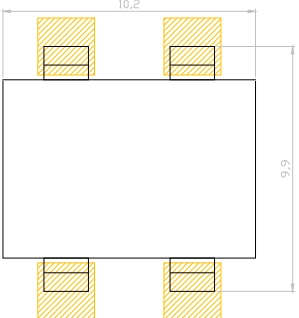
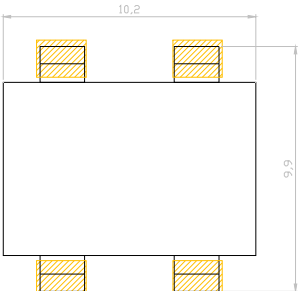
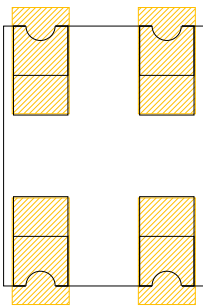
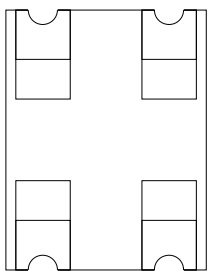
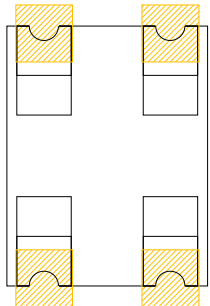
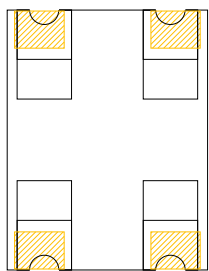
ZOWIE LX30M	ZOWIE LS50M	TSC ABS20M	DIODES ABS210	Citc ABS210
 Package: Z4PAK	 Package: Z4PAK-S	 Package: ABS	 Package: SOPA-4	 Package: ABS
 ZOWIE Pad	 ZOWIE Pad	 TSC Pad	 DIODES Pad	 Citc Pad
 ZOWIE Pad ZOWIE Product	 ZOWIE Pad ZOWIE Product	 TSC Pad TSC Product	 DIODES Pad DIODES Product	 Citc Pad Citc Product
 ZOWIE Pad ZOWIE Product	 ZOWIE Pad ZOWIE Product	 TSC Pad ZOWIE Product	 DIODES Pad ZOWIE Product	 Citc Pad ZOWIE Product

All Dimensions in mm.

Z4PAK-D Pad Comparison



Package outline use middle specification.

ZOWIE Z4PAK-D	LiteON TT	PINGWEI TBM	DYelec HBS
 ZOWIE - PAD ZOWIE - PRODUCT	 LiteOn - PAD (NA) LiteOn - PRODUCT	 PINGWEI - PAD PINGWEI - PRODUCT	 DYelec - PAD DYelec - PRODUCT
 ZOWIE - PAD ZOWIE - PRODUCT	 LiteOn - PAD (NA) ZOWIE - PRODUCT	 PINGWEI - PAD ZOWIE - PRODUCT	 DYelec - PAD ZOWIE - PRODUCT

All dimensions in mm.



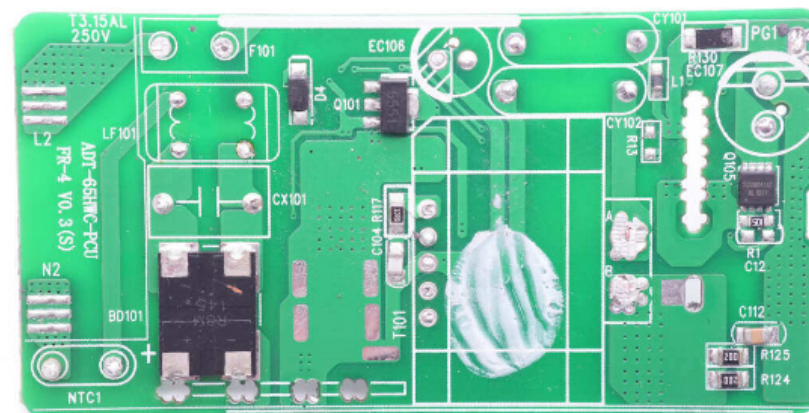
[LX80M]

辉越光电65W氮化镓超薄充电器HL65C001





A hand is shown holding a small, black, rectangular device, which is the Razer Edge smartphone. The device is held in the palm of the hand, with the fingers slightly curled. The back of the device is visible, showing the Razer logo (a stylized green snake) in the center. The device has a silver-colored metal band at the bottom. The background is a plain, light-colored surface.



Zowie Technology Corporation

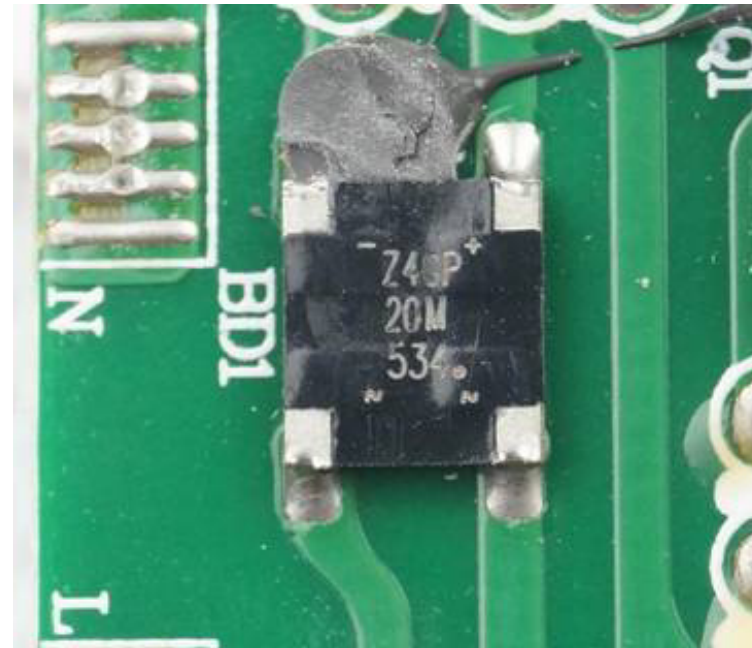
Application- Charger



HUAWEI

[Z4GP20MH]

比亚迪版华为**18W**开关电源适配器



資料來源：充電頭 <https://www.chongdiantou.com/archives/16040.html>



[LSR50M]

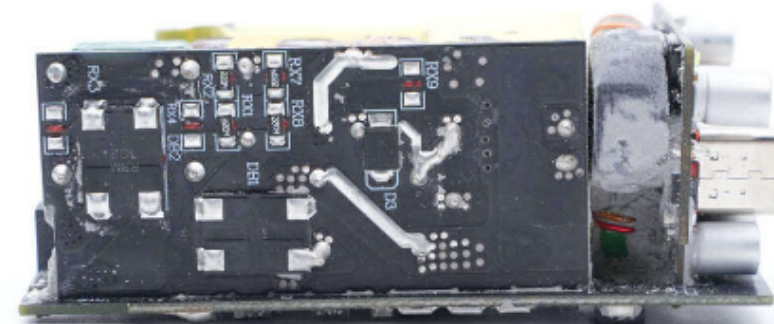
BULL公牛35W双USB-C氮化镓充电器GNV-AF1352





[LXR80M*2]

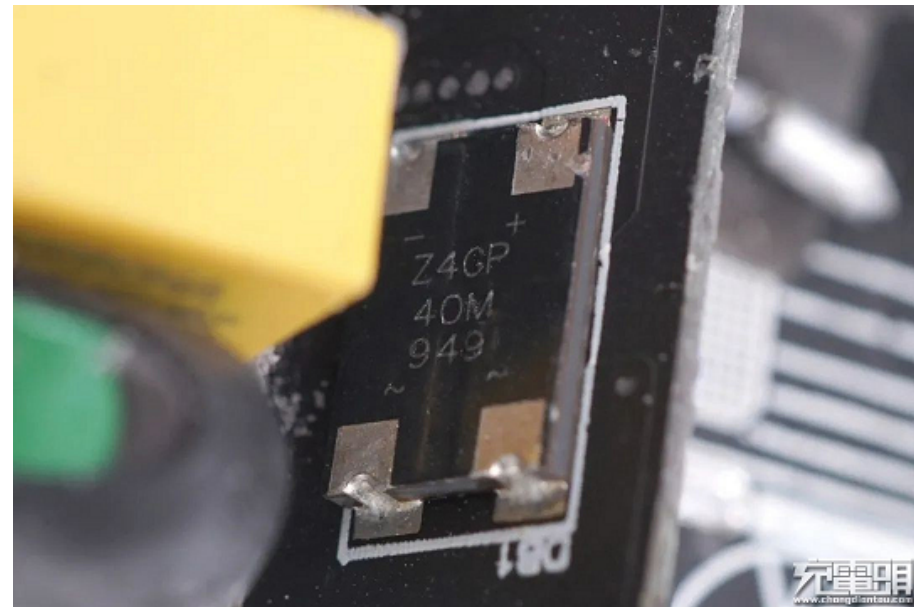
Baseus倍思130W 2C1A氮化镓充电器CCGAN130CC



Application- Charger



[Z4GP40MH*2] HYPER JUICE 100W氮化鎵充電器



資料來源：充電頭 <https://www.chongdiantou.com/archives/51078.html>

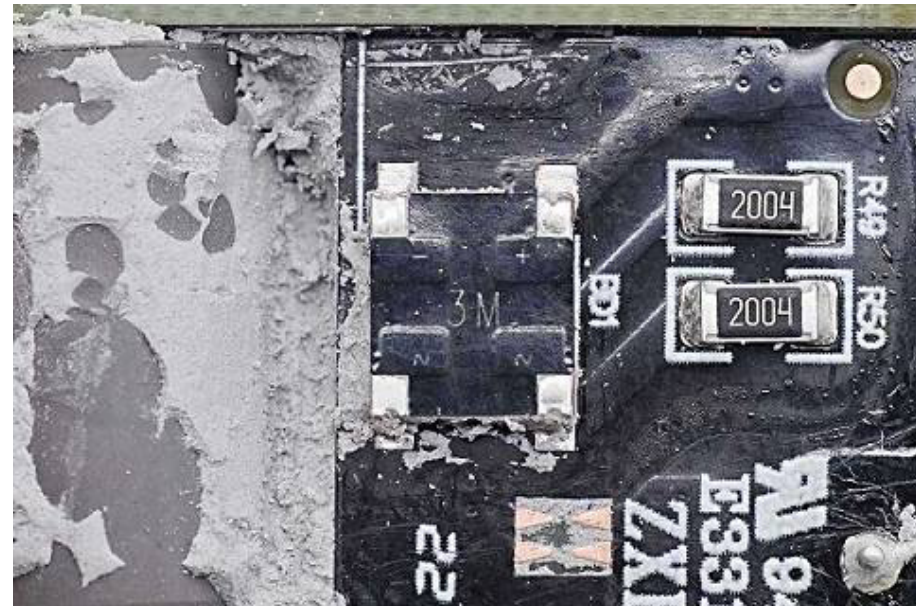
Application- Charger



Lenovo
thinkplus

[LX30M]

联想thinkplus新款迷你30W氮化镓充电器GN65



資料來源：充電頭 <https://www.chongdiantou.com/archives/177588.html>

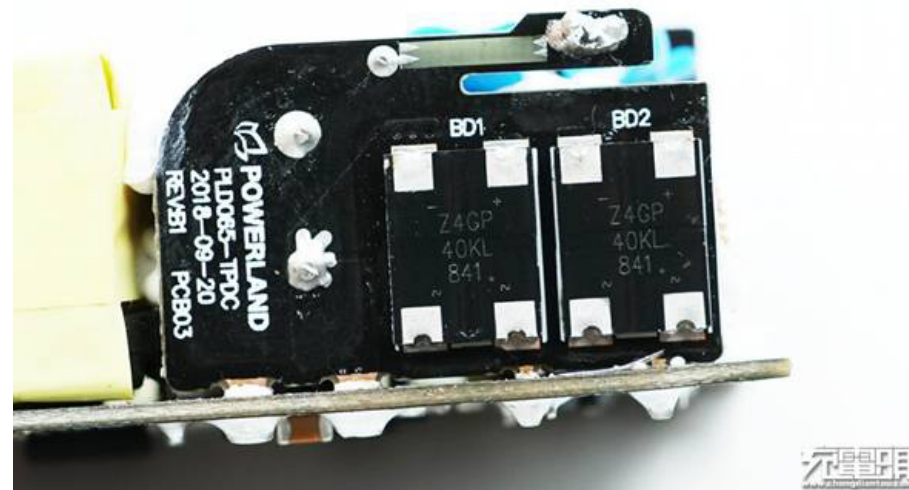
Application- Charger



Lenovo
thinkplus

[Z4GP40MH*2]

联想 thinkplus USB PD 65W充电器PA65



資料來源：充電頭 <https://www.chongdiantou.com/archives/30466.html>

Application- Charger



Lenovo
thinkplus

[LS50M*2]

联想口红二代**65W PD**快充充电器**C65B**

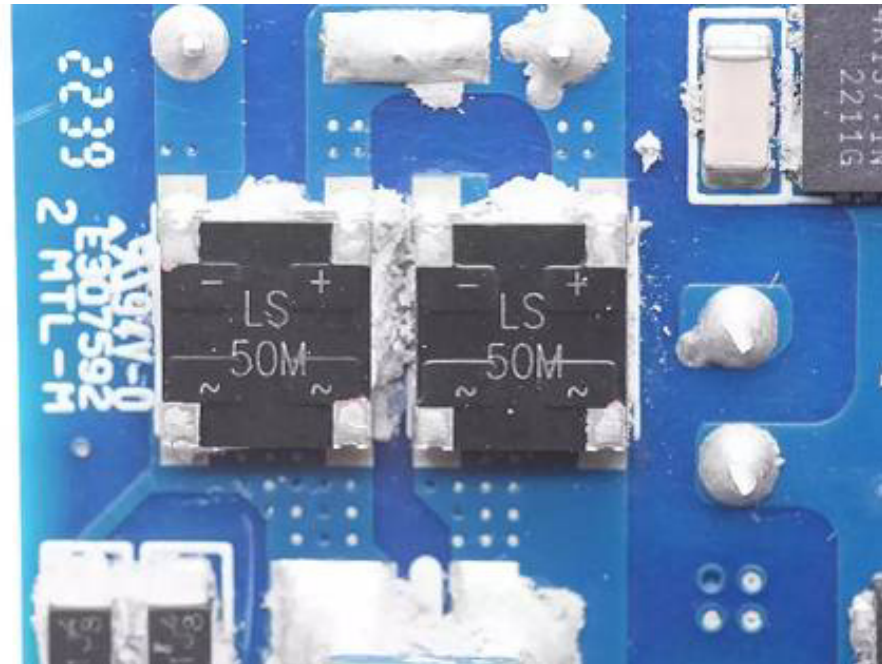


資料來源：充電頭 <http://www.chongdiantou.com/wp/archives/57845.html>

Lenovo
thinkplus

[LS50M*2]

联想thinkplus迷你100W氮化镓充电器GaN100



使用兩顆bridge並聯均攤發熱

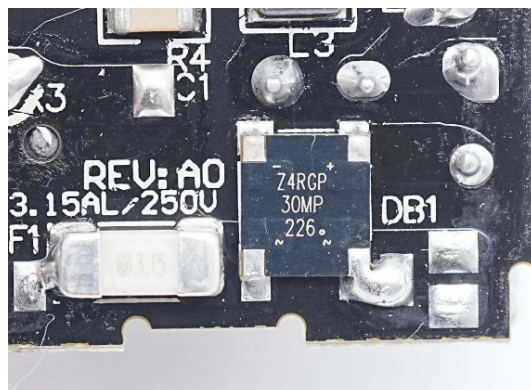
資料來源：充電頭 <https://www.chongdiantou.com/archives/188111.html>

Application- Charger



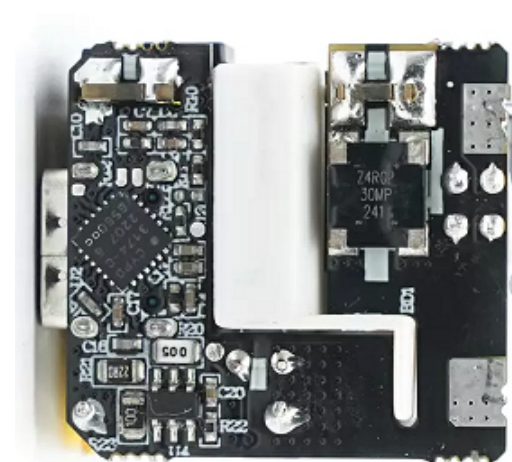
ANKER
POWER YOUR MOBILE LIFE

[Z4RGP30MPH]
ANKER安克30W氮化镓快充充电器A2639



ANKER
POWER YOUR MOBILE LIFE

[Z4RGP30MPH]
ANKER安克迷你30W氮化镓充电器A2147

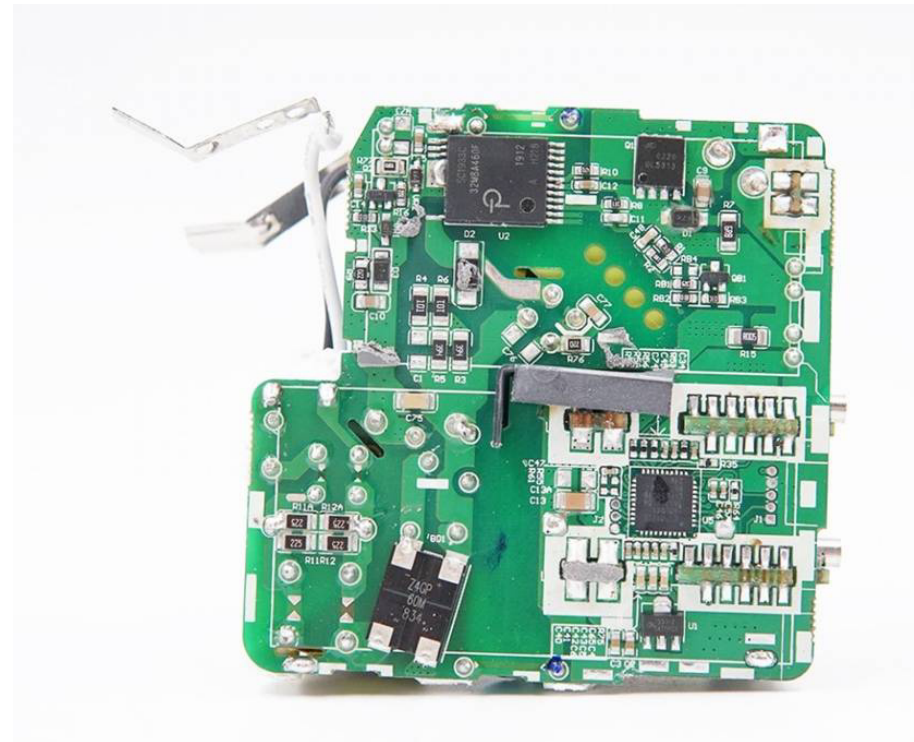


資料來源：充電頭 <https://www.chongdiantou.com/archives/177202.html>

ANKER
POWER YOUR MOBILE LIFE

[Z4GP60MH]

ANKER 60W氮化镓双USB-C口充电器 (A2029)

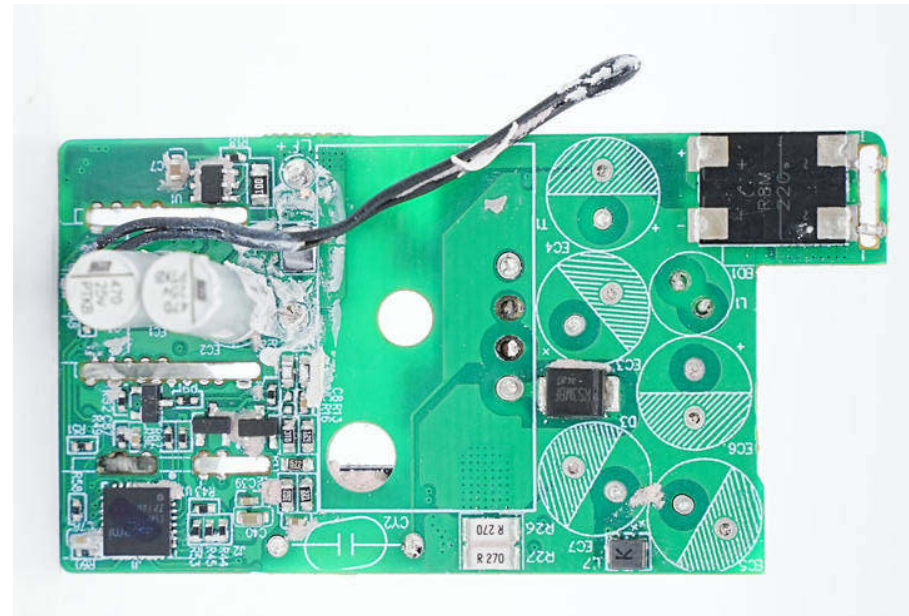


資料來源：充電頭 <https://www.chongdiantou.com/archives/36385.html>

ANKER
POWER YOUR MOBILE LIFE

[LXR80M]

Anker安克65W 2C1A全氮化镓充电器A2668



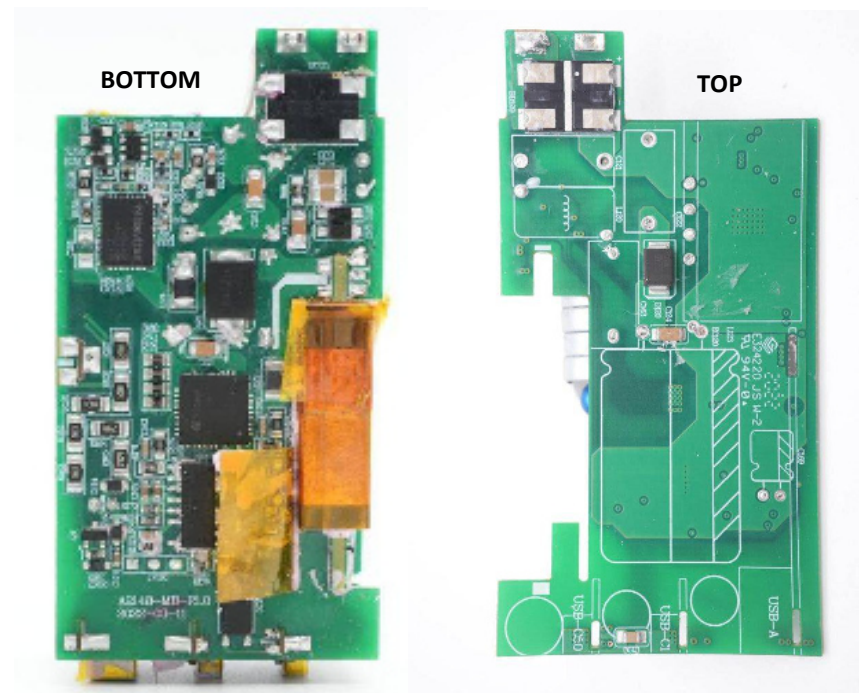
Application- Charger



ANKER
POWER YOUR MOBILE LIFE

[LX80M*2]

Anker安克全氮化镓120W充电器A2148



使用兩顆整流橋，**TOP**及**BOTTOM**各1顆。
→可正/反面焊接使用

資料來源：充電頭 <https://www.chongdiantou.com/archives/163609.html>

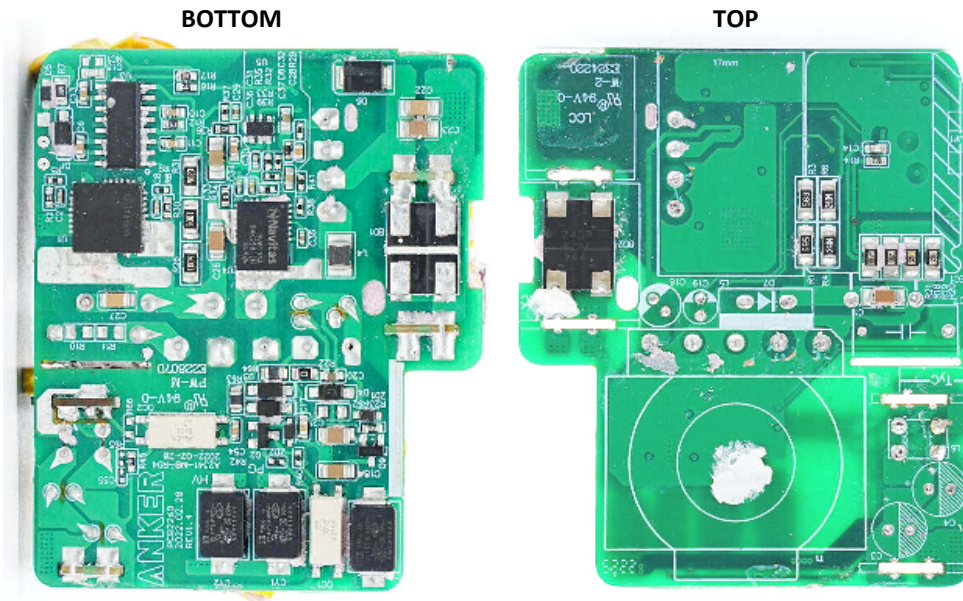
Application- Charger



ANKER
POWER YOUR MOBILE LIFE

[Z4GP60MH*2]

Anker安克140W USB-C氮化镓充电器A2341



使用兩顆整流橋，TOP及BOTTOM各1顆。
→可正/反面焊接使用

資料來源：充電頭 <https://www.chongdiantou.com/archives/167738.html>

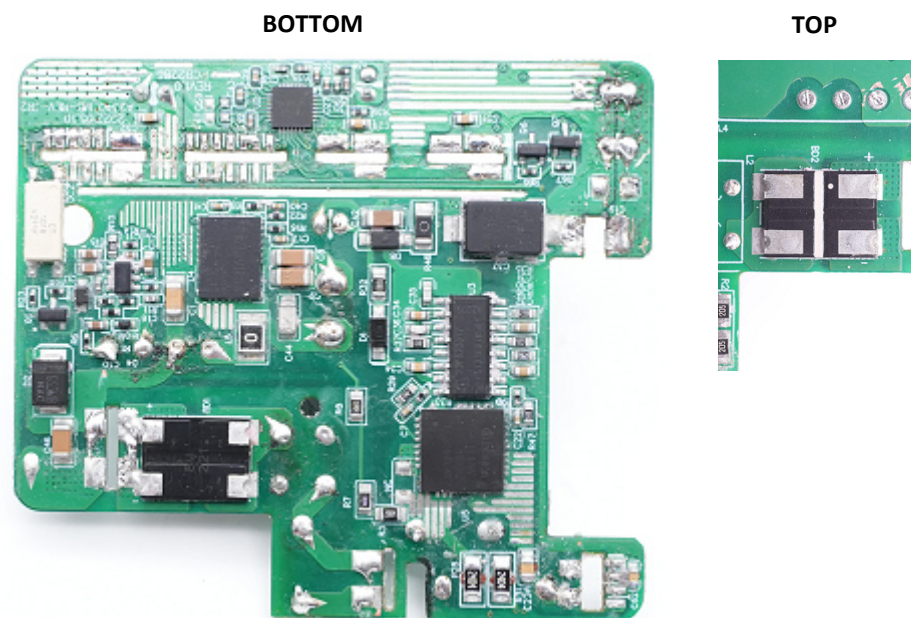
Application- Charger



ANKER
POWER YOUR MOBILE LIFE

[LX80M*2]

Anker安克150W 3C1A氮化镓充电器A2340



使用兩顆整流橋，TOP及BOTTOM各1顆。
→可正/反面焊接使用

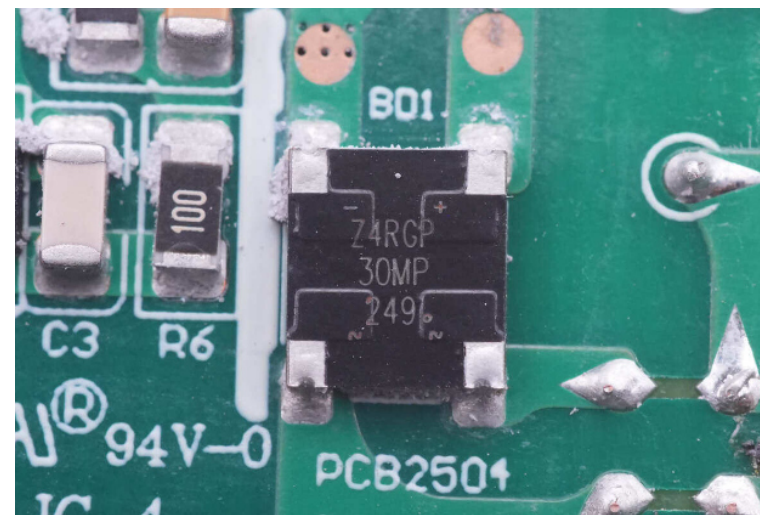
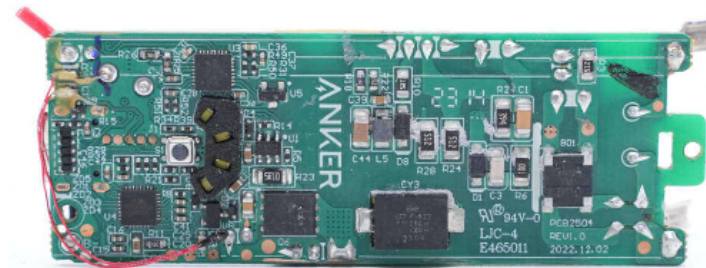
資料來源：充電頭 <https://www.chongdiantou.com/archives/210233.html>

Application- Charger



[Z4RGP30MPH]

Anker安克5000mAh 30W二合一能量棒Pro



資料來源：充電頭 <https://www.chongdiantou.com/archives/236042.html>

• Schottky diode

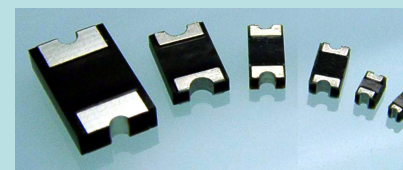
Type	Package	Product Series
Schottky	SOD-523	USCD
	SOD-323	MSCD / Z1PK
	SOD-123	SSCD / Z2PK
	SMA	SCD / Z2APK
	TO-277	Z3PK / A3PS
	SMB	BSCD
	SMC	CSCD / Z5TPK

Schottky diode

- 0.1A~30A, 20~200V
- SOD-523/323/123, SMA/SMB/SMC

Rectifier diode (STD/FR/HER/UF)

- 1A~3A, 200~1000V
- SOD-323/123, SMA/SMB/SMC

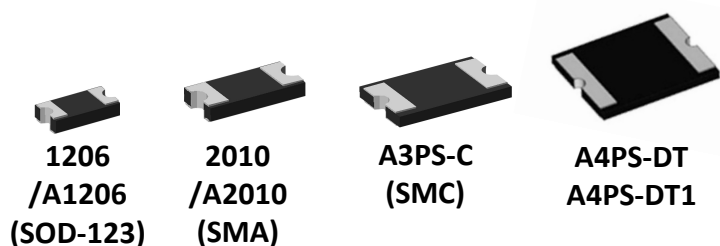


• PN Rectifier

Type	Package	Trr			
		STD	FR	HER	UF
PN diode	SOD-323	MGC	-	-	-
	SOD-123	SGC / BYD17	SRGC / BYD37	SEGC / BYD57	SUGC / BYD1x7
	SMA	GC	RGC	EGC	UGC
	SMB	BGC	BRGC	BEGC	BUGC
	SMC	CGC	-	-	-

TVS diode

- 200W~5000W
- SOD-123, SMA, SMB, A3PS-C, SMC package



• SuperChip package

Series	Package	Power
STCD	1206	200W
SMF4C	A1206	400W
TCD	2010	400W
SMA6C	A2010	600W
1.5SMPC	A3PS-C	1500W
2.0SMPC	A3PS-C	2000W
AU7.0AZP	A4PS-DT	7000W

*AU+PN, automotive grade

• Conventional package

Series	Package	Power
SMAJ	SMA (2010)	400W
SMBJ	SMB (2114)	600W
SMCJ	SMC (3220)	1500W
SMDJ	SMC (3220)	3000W
5.0SMDJ	SMC (3220)	5000W

*AU+PN, automotive grade

Your Best Choice



Thank you !

