



博昊科技有限公司
BOUGH TECHNOLOGY COMPANY LIMITED

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BG926 Wireless Fast Charge

Specification

Ver:1.0



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Version Update

Item	Version	Date	Description
1	V1.0	Oct13, 2017	The First Version



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Summarize

BG926 is high integrated solution for Qi Compliant Wireless Power Transmitter. It has several protections include overcurrent, low voltage, and thermal protection and offset protection. BG926 provided for Qi standard 5V Transmitter application. For Qi standard 5V Transmitter application, we provide MOS driver GPMD2130A and MOSFET GPMD3130A to enhance the conversion efficiency.

Fast charge feature

- Status Indicator.
- Charge complete
- Charging
- Error (Transmitter over current , Qi standard error message)
- Standby
- Sound Alarm
- Auto detecting the object put on and take off.
- Over Temperature protection.
- Over current protection.
- Learning function when the coil is changed.
- BG926 is 5v input.

Electrical parameter

Absolute maximum rating

Characteristics	Symbol	Ratings
DC Supply Voltage	V ₊	-0.3V ~ 6.0V
Input Voltage Range	V _{IN}	-0.3V to V ₊ + 0.3V
Operating Temperature	T _A	-40°C to +85°C
Operation Current	I _{OP}	10mA

DC Characteristics (TA = 25°C)

Characteristics	Symbol	Limit			Unit	Test Condition
		Min.	Typ.	Max.		
Operating Voltage	VDD	-	5.0	-	V	
Operating Current	I _{OP}	-	-	15.0	mA	
Standby Current	I _{STBY}	-	-	10.0	uA	
Input High Level	V _{IH}	0.7VDD	-	-	V	VDD = 5.0V
Input Low Level	V _{IL}	-	-	0.3VDD	V	VDD = 5.0V
Output High Level	V _{OH}	0.8VDD	-	-	V	I _{OH} = -8mA at VDD = 5.0V
Output Low Level	V _{OL}	-	-	0.2VDD	V	I _{OL} = 20mA at VDD = 5.0V
Input Pull High Resistor	R _{PH1}	30	50	70	KΩ	
Input Pull Low Resistor	R _{PL1}	30	50	70	KΩ	