Polycarbonate

INJECTION MOLDED

Custom PCB

PROCESSOR / DATA STORAGE / WIRELESS TRANSCEIVER

Screws (4)

PHILLIPS THREAD-FORMING SCREW FOR PLASTIC
ZINC-PLATED STEEL - 2-28 THREAD, 3/8" LENGTH

Batteries (4)

CR2477 - LI-ION | 30MM* X 3.2MM | 520MAH | 3.0V | 6.2G

Induction Coil

PW-WCG-12V - WIRELESS CHARGING (12V)

Foam

RIGID URETHANE FOAM

Thermocouple

70MM Ø

Polycarbonate

INJECTION MOLDED - W/ WATERPROOF SCREW SEAL

Rubber Gasket

Transparent

TO AID IN QUICK MAINTENANCE
DIAGNOSTIC
MAKING "TECH" VISIBLE
EMPHASIZES THE BALLS ROLL
AS A SCIENTIFIC INSTRUMENT

Nut

STOCK KNURLED NUT - PACKAGED W/ THERMOCOUPLE

Yellow

TO INCREASE VISIBILITY FOR RECOVERY (APPROVED
COLOR FOR LIFEBOATS BY THE US COAST GUARD)

DATA = TEMPERATURE / TIME

WATER TIGHT DESIGN

INDUCTIVELY CHARGED
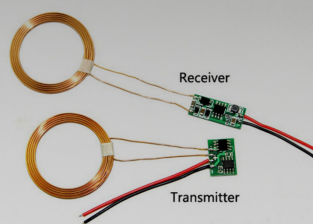
2.4 GHz RF TRANSCEIVER

Injection molded Polycarbonate
W/ waterproof screw seal
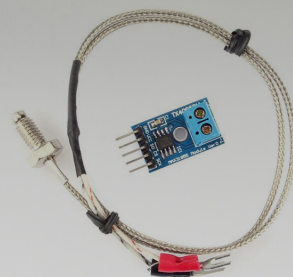
Rubber Gaskets
5mm ID
10mm OD
3mm thick

CR2477
Li-ion
Size: 30mm*3.2mm
520mah
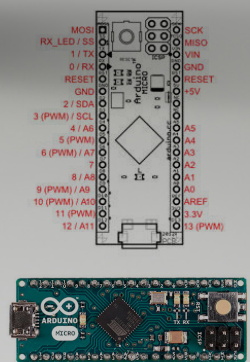3.0V
6.2g
Temperature Range: -30°~+60°

12V 600mA Wireless Charging Module
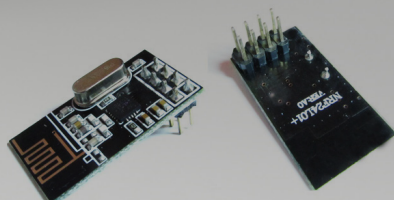Product Code : RB-Elf-152

Input voltage: 12Vdc
Input voltage(limits): 13.5Vdc
Output voltage: 12Vdc
Output current(maximum): 600mA
Transmitter coil inductance: 30uH
Transmit-receive distance: 1-20mm
Transmitter : 12mm x 7mm x 1mm
Receiver: 15mm x 10mm x 1mm
Coil diameter: 38mm
Coil height: 2mm

SainSmart MAX31855 Module + K Type Thermocouple Sensor Module For Arduino
SKU:20-019-158
With a fixed mounting holes for easy fixed
installation.
With MAX31855 chip which makes it run
faster
The output mode: SPI digital signal
The temperature measuring range: -200C to
1350C
Working voltage: 3~3.6V
Module size:25mm×15mm

Micro PCB
4.8cm and 1.77cm respectivelY

Worldwide 2.4GHz ISM band
126 RF channels.
High air data rate: 250kbps, 1 and 2Mbps.
Transmitter: 11.3mA at 0dBm output power.
Receiver: Fast AGC for improved dynamic range.
Receiver: Integrated channel filters.
Enhanced ShockBurst™:1 to 32 bytes dynamic payload
length.6 data pipe MultiCeiver™ for 1:6 star networks.
Host Interface:4-pin hardware SPI,3 separate 32 bytes
TX and RX FIFOs.
Low Power Management:1.9 to 3.6V supply range.
GFSK modulation.
Auto packet transaction handling.
Easy for designed.
Small size:15mm*29mm.