BRCL4054DME

BRCL4054DME /
SOT23-5 BRCL4054DME
BRCL4054DME USB
PMOSFET

4.20V 4.20V 1/10
BRCL4054DME
USB BRCL4054DME
3uA BRCL4054DME

130 0

Intelligent temperature control technology,charging current will decrease with increasing temperature,130 began to decline,the lowest can be reduced to 0

Soft-Start limits inrush current

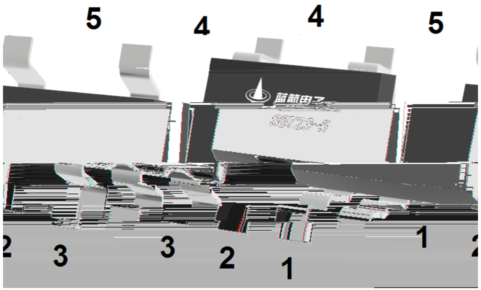
Automatic recharge

4KV ESD HBM mode

USB

Suitable for USB power and adapter power,Bluetooth applications and other portable devices.

[redacted]



1		/Charging indicator
[redacted]	[redacted]	[redacted]
3		/Battery input

[redacted]

800mA

CHRG

130

CHRG

2.8V 2.8V

PROG GND RPROG

4.2V

CHRG 10

To restart the charge cycle, remove the input voltage and reapply it. The charge cycle can also be automatically restarted if the BAT pin voltage falls below the recharge threshold. The on-chip reference voltage, error amplifier and the resistor divider provide regulation voltage with 1% accuracy which can meet the requirement of lithium-ion and lithium polymer batteries. When the input voltage is not present, or input voltage is below VBAT, the charger goes into a sleep mode, dropping battery drain current to less than 3μA. This greatly reduces the current drain on the battery and increases the standby time.

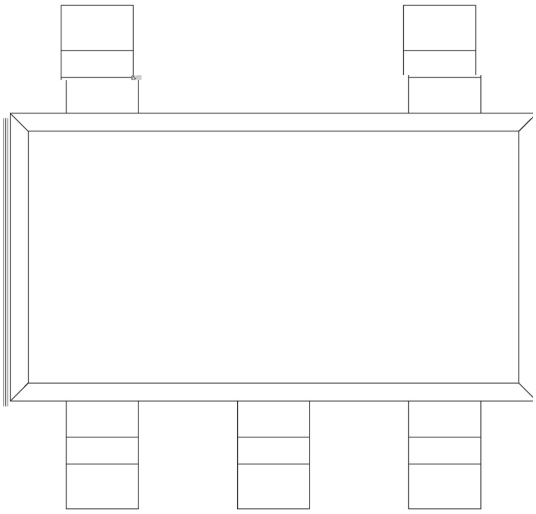
PROG

The charge current is programmed using a single resistor from the PROG pin to ground. The program resistor and the charge current are calculated using the following equations.

$$R_{prog}(kohm) = \frac{1000}{[illegible]} \text{（误差±10\%）}$$

[illegible]

/ Marking Instructions



4054D

****