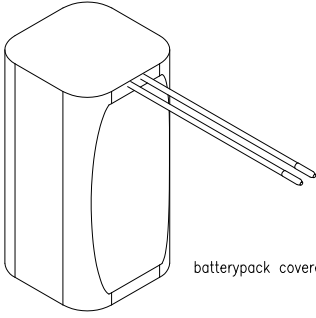


The supplier acknowledges that, with the acceptance of the drawing, he is liable to manufacture the described part in accordance with the drawing in accordance with the requirements of the customer. The customer is responsible for the design and the drawing. The customer is responsible for the design and the drawing. The customer is responsible for the design and the drawing.

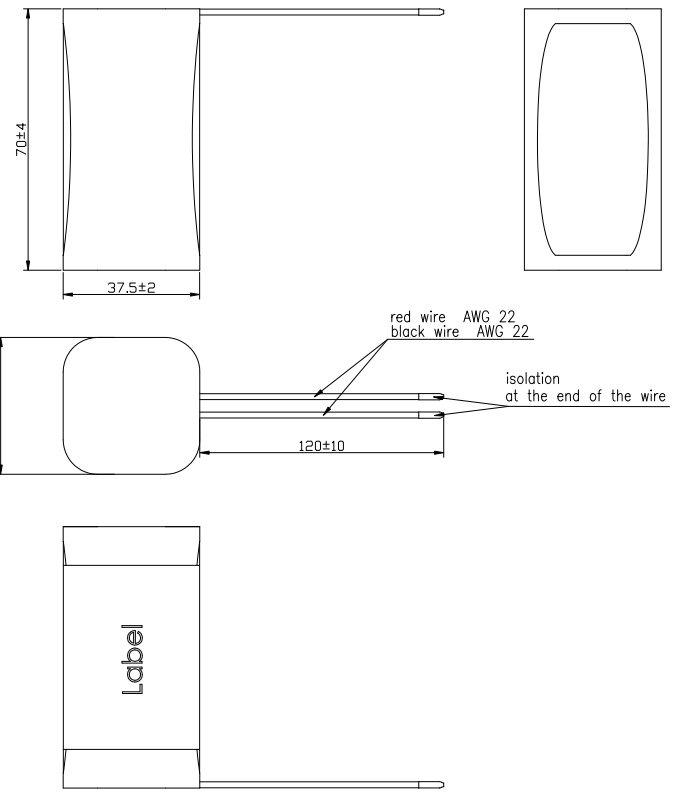
Technische Daten/  
technical data : Akkupack/  
battery pack  
Chemie/  
chemistry : Lithium Ion  
Zellenzahl/  
no. of cells : 4 Zellen/ cells ; 2S2P  
Zellentyp/  
cell type : INR18650 LGC B4  
Kapazität/  
capacity : nom. 5200mAh discharge at 0.2C  
min. 5000mAh discharge at 0.2C  
ta:20°C; EV(Discharge End Voltage): 2.75V per cell

Innenwiderstand/  
impedance : < 100mOhm (battery and safetyboard)  
Nominale Spannung/  
nominal voltage : 7.4V  
Standard Ladespannung/  
standard charge voltage : 8.4V±1%  
Standard Entladespannung/  
standard discharge voltage : 5.5V  
Nominale Ladestrom/  
nominal charge current : 0.5C  
Maximaler Ladestrom/  
maximum charge current : 5000mA (limited by safetyboard)  
Ladeendstrom/  
charge end current : 0.01C recommended  
Maximaler Entladestrom/  
maximum discharge current : 5000mA (limited by safetyboard)  
Anwendungstemperaturbereich/  
ambient temperature range : 0°C...+45°C charge  
-20°C...+60°C discharge  
-20°C...+30°C storage max. 1 year  
-20°C...+45°C storage max. 3months  
Selbstentladung/  
self discharge : ≤ 5% / month at 20°C  
≤ 10% / month at 30°C  
≤ 20% / month at 40°C  
Standards/  
: UN 3480, Subsection 38.3  
All cells and battery packs type tested according  
to UN manual of test and criteria subsection 38.3

Technische Daten/  
technical data : Sicherheitsschaltung/  
safety board  
Überladeschutzspannung/  
over charge voltage detection : 4.3V±25mV per cell  
Wiedereinschaltspannung/  
over charge release voltage : 4.1V±50mV per cell  
Entladeabschaltspannung/  
over discharge detection voltage : 2.4V±50mV per cell  
Wiedereinschaltspannung/  
over discharge release voltage : 2.8V±250mV per cell  
Nominale Lade/Entladestrom/  
nominal operating current : 5A  
Entlade Abschaltstrom/  
discharge cut off current : 13A± 3A  
Kurzschlusschutz/  
short circuit protection : gegen äußeren Kurzschluss/  
against external short circuit  
Temperaturschalter/  
temperature switch : ---  
MOSFET : in Masse  
in Gnd  
Rückstellkriterium/  
release condition : Last trennen, Aktiv nach Anladen/  
cut load, release after charging up  
Nettogewicht/  
net weight : 196g  
Leiterplattenmaterial/  
pcb material : FR4  
Standards : CE



battery pack covered with 2 layers of blue shrinktube



Verwendungsbereich/Application range für Anfrage/for inquiry IS-2013-001430		Zul. Abweichung/ Allowable deviation	Oberfläche/ Surface	Maßstab/Scale (DIN A2): 1:1	Gewicht/Weight
		Allgemeintoleranz DIN ISO 2768-m		Werkstoff/Work material, Modell-Nr.	
		2013	Datum/Date 23.10.	Zeichnungsname/Drawing name Li-Ion Battery 7.4V 5200mAh with safetyboard	
		Zeichner/ Drawn by JE			
V2	changed cell description	18.12.17	DS		
V1	change request: DE-15-0022	15.01.16	MSL		
V0	technical data corrected	24.06.15	JH		
V0	Label added in drawing	25.06.14	EGall		
Version		Änderung/Change		Datum/Date Name	
		Ursprung/Origin Proj. IS-2013-00430		Ersatz für/Replaced by	
		Zusatz/Additional		Ersatz durch/Replacement through	
				Zeichnungsnummer/Drawing number Artikelnummer/Part number 2447-3049-01	
				Blatt/ Sheet 1	

