

The supplier acknowledges that, with the acceptance of this drawing, he is in a position to manufacture the described part in accordance with the drawing, in accordance with the requirements of the customer. The customer is not responsible for any damage caused by the use of the drawing for other purposes than intended by the supplier.

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Technische Daten/ technical data	:	Akkupack/ batterypack
Chemie/ chemistry	:	Lithium Ion
Zellenzahl/ no. of cells	:	2 Zellen/ cells INR18650 LGC B4 ; 1S2P
Kapazität/ capacity	:	nom. 5200mAh discharge at 0.2C min. 5000mAh discharge at 0.2C to:20°C; EV(Discharge End Voltage): 2.75V per cell
Innenwiderstand/ impedance	:	< 80m0hm (battery and safetyboard)
Nominalspannung/ nominal voltage	:	3.7V
Standard Ladespannung/ standard charge voltage	:	4.2V±1%
Standard Entladespannung/ standard discharge voltage	:	2.75V
Nominaler Ladestrom/ nominal charge current	:	0.5C
Maximaler Ladestrom/ maximum charge current	:	3000mA (limited by safetyboard)
Ladeendstrom/ charge end current	:	0.01C recommended
Maximaler Entladestrom/ maximum discharge current	:	3000mA (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 at20°C ≤ 10% / month at30°C ≤ 20% / month at40°C
Standards/	:	UN 3480, Subsection 38.3 All cells and batterypacks 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 : 4.25V±25mV per cell

Wiedereinschaltspannung/
over charge release voltage : 4.05V±50mV per cell

Entladeabschaltspannung/
over discharge detection voltage : 2.5V±62mV per cell

Wiedereinschaltspannung/
over discharge release voltage : 2.85V±250mV per cell

Nominaler Lade/Entladestrom/
nominal operating current : 3A

Entlade Abschaltstrom/
discharge cut off current : 8.5A± 2A

Kurzschlusschutz/
short circuit protection : gegen äußeren Kurzschluss/
against external short circuit

Temperaturschalter/
temperature switch : ---

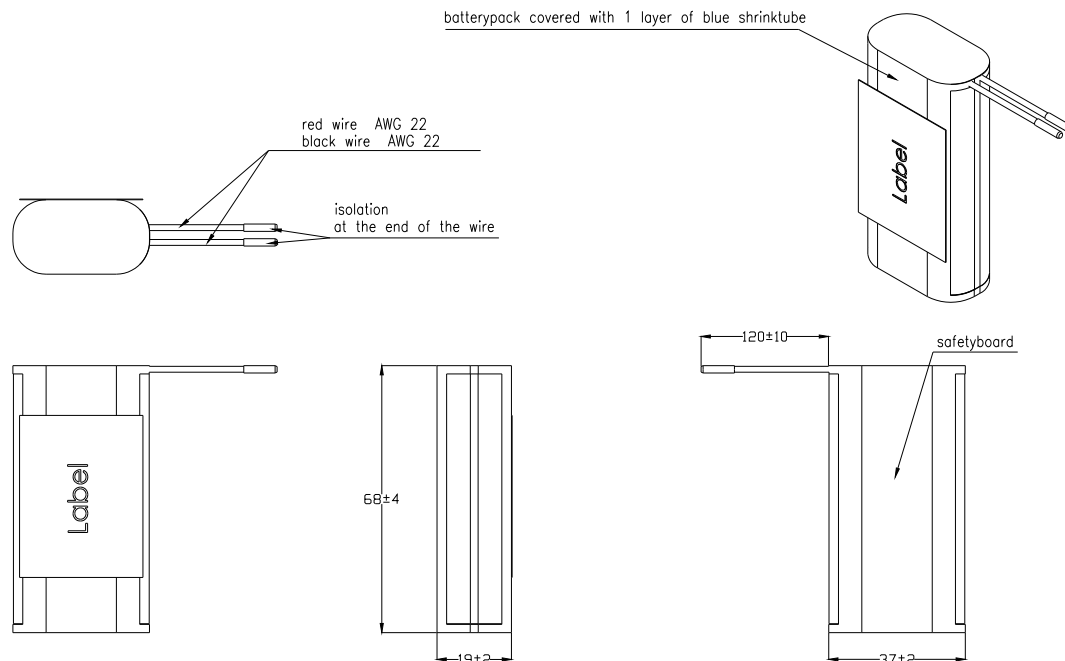
MOSFET : in Masse
in Gnd

Rückstellkriterium/
release condition : Last trennen, Aktiv nach Anladen/
cut load, release after charging up

Nettogewicht/
net weight : ca./ approx. 100g

Leiterplattenmaterial/
pcb material : FR4

Standards : CE



Verwendungsbereich/Application range für Anfrage/for inquiry AN-IS-2013-00425		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 Name	Zeichnungsname/Drawing name	
		Zeichner/ Drawn by	23.10.	JE	Li-Ion Battery 3.7V 5200mAh with safetyboard
V4	customer specific part number removed	03.12.18	DS		
V3	customer specific part number added	20.11.18	DS		
V2	changed cell description	18.12.17	DS		
V1	change request: DE-15-0022	15.01.16	MSI		
Version	Anderung/Change	Datum/Date	Name	Ursprung/Origin Proj. IS-2013-00425	Erst- /Replaced by Ersatz durch/Replaced through
				Zeichnungsnummer/Drawing number Artikelnummer/Part number	Blatt/ Sheet
				2447-3033-01	1

