

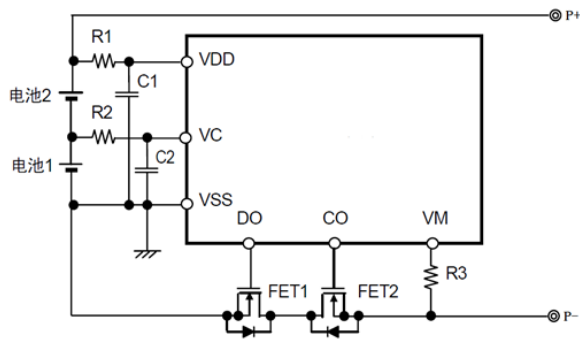
2S 7.4V BMS DATASHEET- SEEGATE CORPORATION

No	Tested Item			Criterion
1	Voltage	Charging Voltage		DC:8.4V CC/CV
		Blance Volatage for single cell		/
2	Current			/
		Current consumption		$\leq 6 \mu A$
		Max continuous charging current		4A
		Max continuous discharging current		4A
3	Over charge Protection	V_{DET1}	Over charge detection voltage	$4.28 \pm 0.025V$
		tV_{DET1}	Over charge detection delay time	900-1700ms
		VREL1	Over charge release voltage	$4.08 \pm 0.05V$
4	Over discharge protection	VDET2	Over discharge detection voltage	$2.9 \pm 0.10V$
		Tvdet2	Over discharge detection delay time	120-200ms
		VREL2	Over discharge release voltage	$3.0 \pm 0.10V$
5	Over current protection	VDET3	Over current detection voltage	$0.20 \pm 0.030V$
		IDP	Over current detection current	9-12A
			Release condition	Cut load
			Overcurrent detection delay time	1-20ms
6	Short protection		Detection condition	Exterior short circuit
			Release condition	Cut short circuit
			Short circuit current detection delay	100-400us
7	Interior resistance	RDS	Main loop electrify resistance	$VC=4.2V, R_{DS} \leq 60m\Omega$
	Current consumption	IDD	Current consume in normal operation	$\leq 12 \mu A$
8	Temperature	Operating Temperature		$-45^{\circ}C \sim +65^{\circ}C$
		Storage Temperature		$-45^{\circ}C \sim +85^{\circ}C$

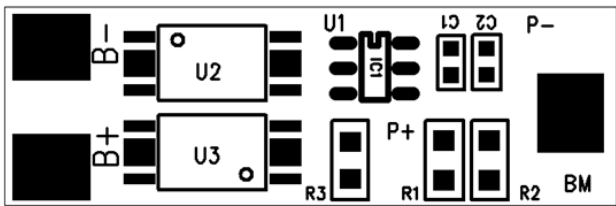
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symbol	Description	symbol	Description
P+	Connect the positive end of the battery output / charging input	P-	Connect the negative end of the battery output / charging input
B+	Connect the battery 2 positive	BM	Connect the battery 1 positive battery 2 negative
B-	Connect the battery 1 negative		

■ Circuit board schematic



■ TOP Silk screen



■ BOTTOM Silk screen

